KIP

KIP 9000 User Guide

Version A0

Thank you for purchasing the KIP 9000.

This USER'S MANUAL contains functional and operational explanations for the KIP 9000. Please read this USER'S MANUAL carefully before using the Printer. Please keep this USER'S MANUAL for future reference.

When this machine is installed in USA
FCC ID : VP8-K115
This equipment satisfies the requirements in Part 15 of FCC Rules for a Classic A computing device.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.
In order to comply with FCC radio-frequency radiation exposure guidelines for an uncontrolled exposure, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.
FCC 15.105(a)
NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
FCC 15.21
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

When this machine is installed in Canada
IC Company No. & UPN No. : 7391A-K115
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

When this machine is installed in Europe
This equipment satisfies the requirements in Pub.22 of CISPR Rules for a Classic B computing device. Operation of this equipment in a residential area may cause unacceptable interference to radio and TV reception requiring the operator to take whatever steps are necessary to correct the interference.

Do not install this machine around electronic equipment or precision instruments. Other devices may be effected by electrical noise during operation.

If Machine is installed near other electronic equipment, such as a TV or a radio, interference to said equipment, such as noise or flickering, may occur. Use a separate power line and install the PRINTER as far as possible from said equipment.

As an ENERGY STAR ® Partner, Katsuragawa Electric Co., Ltd. has determined that this product meets the ENERGY STAR ® guidelines for energy efficiency.

The International ENERGY STAR ® Office Equipment Program is an international program that promotes energy saving through the penetration of energy efficient computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, facsimiles, copiers, scanners, and multifunction devices. Their standards and logos are uniform among participating nations.

The symbol shown indicates that this product conforms to Directive 2002/96/EC of the European Parliament and the council of 27 January 2003 on waste electrical and electronic equipment (WEEE) and does not apply to countries outside of EU.

Only For EU Member States

The symbol shown indicates that this product conforms to SJ/T11364-2006 of People's Republic of China Electronic Industry Standard and does not apply to countries outside of People's Republic of China.

The symbol shown indicates that this product conforms to GB 18455-2001 11364-2006 of National Standard of the People's Republic of China and does not apply to countries outside of People's Republic of China.

NOTE

KIP 9000 will not function if no optional device is connected.
Please ask the Service Personnel for the optional device.

Safety Warning

The following warnings are very important in order to safely use this product.
These notes are very important in preventing danger to the operator or operation of the printer.

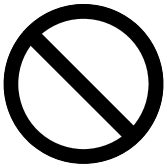
The following symbols are found throughout the USER'S Manual and have the following meaning:

WARNING

This WARNING mark means that there is a possibility of death or serious injury if you ignore or do not follow the said instruction.

CAUTION

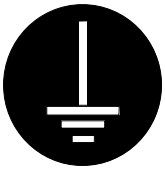
This CAUTION mark means that there is a possibility of injury or physical damage if you ignore or do not follow the said instruction.



When marked with this symbol, "DO NOT ATTEMPT"

When marked with this symbol, "pay close attention to"

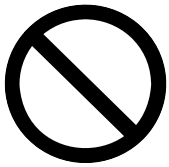
WARNING



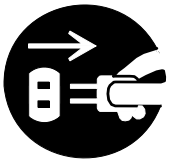
Ground the product with a correct ground source or you may be electrically shocked.

1. Connected outlet must satisfy the following condition.
   U.S.A. / Europe : 220 - 240V (+6% / -10%), more than 16A, 50/60Hz
2. Use a circuit with an exclusive breaker.
3. Install the machine as close to the wall outlet as possible.
4. If you wish to move the printer, please contact to your service personnel.

1. Do not remove the screw and do not open the cover if not instructed to do so in this User's Manual. If you ignore this warning, you may be burnt or receive an electric shock due to a hot item or electrically charged part inside of the printer.
2. Do not disassemble or tamper with the printer. It may result in a fire or electrical shock.



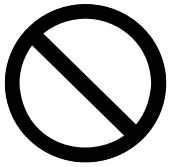
1. Do not plug in the printer into a multi-wire connector in which some other equipment is plugged into. It may cause a fire due to outlet overheating.
2. Do not damage the Power Cord by stepping on or placing something heavy items on it. If the Power Cord is damaged, it may cause a fire or you may receive an electric shock. REPLACE THE CORD IF DAMAGED.



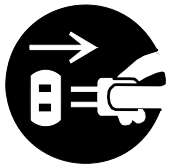
1. Do not PUT a flower vase, a flowerpot or any water-filled item on the product. Spilt water could cause a fire or an electric shock.
2. If the product generates an abnormal smell or noise, turn it off and unplug it from the wall outlet immediately.

Do not throw the toner into a fire or other sources of heat, as it can explode.

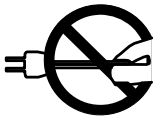
CAUTION



Do not install the machine in a humidified room or a dusty room.
Also, do not install the machine on an unstable floor as injuries may occur.



1. Unplug the printer before you move it. The power cord may be damaged and it may result in a fire or electric shock.
2. If you do not use the printer for a long duration (holidays, company shutdown) turn off and unplug the printer from the outlet for safety.



Do not pull the cord when you unplug the printer as you may damage the Power Cord. Make sure to unplug the plug from the plug case.

There are hot items inside of the machine. Take great care not to touch these items when you remove mis-fed media.

Ventilate the room well if you print in a small area.

TABLE OF CONTENTS

Chapter 1 Before Use

Page

1. 1 Installation Requirements 1- 2

1. 2 Originals Prohibited from Duplication 1- 3

1. 3 Features 1- 4

1. 4 Specifications 1- 5

1. 5 Appearance 1- 7
1. 5. 1 Front view 1- 7
1. 5. 2 Right side view 1- 8
1. 5. 3 Rear view 1- 9
1. 5. 4 Operation Panel 1-11
1. 5. 5 Media Indicators 1-13
1. 5. 6 “in use” Indicators 1-14

Chapter 2 Basic Operations

Page

2. 1 Turning on the KIP 9000 ..... 2- 2

2. 2 Turning off the KIP 9000 ..... 2- 3

2. 3 Setting the Roll Media into Roll Deck 2- 4
2. 3. 1 Roll 1, 2 & 3 ..... 2- 5
2. 3. 2 Roll 4 2-11

2. 4 Setting Cut Sheet Media to Bypass Feeder 2-13
2. 4. 1 Multi-feeding of cut sheet media 2-14
2. 4. 2 Singular feeding of cut sheet media 2-15

2. 5 Replacing the Toner Cartridge 2-17

2. 6 Dehumidifying the Roll Media 2-21

2. 7 Initial Cut (Straighten the leading edge of roll media) 2-23

2. 8 User Modes 2-25
2. 8. 1 User Mode 1 (Test Print) 2-26
2. 8. 2 User Mode 2 (Calendar setting) 2-28
2. 8. 3 User Mode 3 (Warm Sleep Mode ON / OFF & timer setting) 2-33
2. 8. 4 User Mode 4 (Cold Sleep Mode timer setting) 2-37
2. 8. 5 User Mode 5 (Automatic paper cut at power ON) 2-40
2. 8. 6 User Mode 6 (Transfer Support LED ON/OFF [Film]) 2-43
2. 8. 7 User Mode 7 (Alarm ON / OFF) 2-46
2. 8. 8 User Mode 8 (Choice of Standard / Special Print Mode [Plain paper]) 2-49
2. 8. 9 User Mode 9 (Choice of Standard / Special Print Mode [Tracing paper]) 2-53
2. 8.10 User Mode A (Choice of Standard / Special Print Mode [Film]) 2-56
2. 8.11 User Mode B (Selection of Image Enhancement Mode) 2-59
2. 8.12 User Mode C (Print on TE margin area) 2-62
2. 8.13 User Mode D (Error check level for E-26 error) 2-66
2. 8.14 User Mode E (Error check level for E-28 error) 2-69
2. 8.15 User Mode F0 to Fb (Fold settings applied when Bay Folder is connected) 2-72

Chapter 3 Error Corrections and Maintenance

Page

3. 1 Media Mis-feed Errors 3- 2
3. 1. 1 Mis-feed in Roll Decks (J-01, J-02, J-03 & J-04) 3- 3
3. 1. 2 Mis-feed in the Bypass Feeder (J-05) 3- 6
3. 1. 3 Mis-feed between Cutter and Drum (J-11) 3- 7
3. 1. 4 Mis-feed on Internal Transportation Unit (J-12) and Fuser Entrance (J-13) 3-11
3. 1. 5 Mis-feed in Fuser Unit (J-14) 3-18
3. 1. 6 Mis-feed in Folder (J-21) 3-25
3. 1. 7 Mis-feed in Auto Stacker (J-22) 3-25

3. 2 Open Errors 3-26
3. 2. 1 Top Drawer Open (U-01) 3-26
3. 2. 2 Middle Drawer Open (U-02) 3-26
3. 2. 3 Bottom Drawer Open (U-03) 3-27
3. 2. 4 Internal Transportation Unit Open (U-04) 3-27
3. 2. 5 Toner Cover Open (U-06) 3-27
3. 2. 6 Bypass Feeder Open (U-11) 3-28
3. 2. 7 Right Side Door Open (U-12) 3-28
3. 2. 8 Top Rear Cover Open (U-13) 3-28
3. 2. 9 Exit Cover Open (U-14) 3-29
3. 2.10 Folder Door Open (U-21) 3-29

3. 3 Toner Cartridge Error (C-01) 3-30

3. 4 Service Call Errors 3-31

3. 5 Interruption of Print by Temperature Control 3-32

3. 6 Maintenance 3-33
3. 6. 1 Cleaning the Image Corona 3-33
3. 6. 2 Cleaning the LED Head 3-34

Chapter 1

Before Use

Page

1. 1 Installation Requirements 1- 2

1. 2 Originals Prohibited from Duplication 1- 3

1. 3 Features 1- 4

1. 4 Specifications 1- 5

1. 5 Appearance 1- 7
1. 5. 1 Front view 1- 7
1. 5. 2 Right side view 1- 8
1. 5. 3 Rear view 1- 9
1. 5. 4 Operation Panel 1-11
1. 5. 5 Media Indicators 1-13
1. 5. 6 “in use” Indicators 1-14

1. 1 Installation Requirements

The following conditions are required for installation of the equipment.

(1) Power source should be as follows (according to your region).
U.S.A. / Europe ..... 220 - 240V (+6% / -10%), 16A, 50/60Hz

(2) The equipment must be on an exclusive circuit.
The outlet must be near the equipment and easy accessible.

(3) Make sure to connect this equipment to a grounded outlet.

(4) The site temperature range = 10 - 32.5 degrees centigrade, with the humidity between 20% - 80% RH (NON CONDENSING).
Keep the equipment away from water sources, boilers, humidifiers or refrigerators.

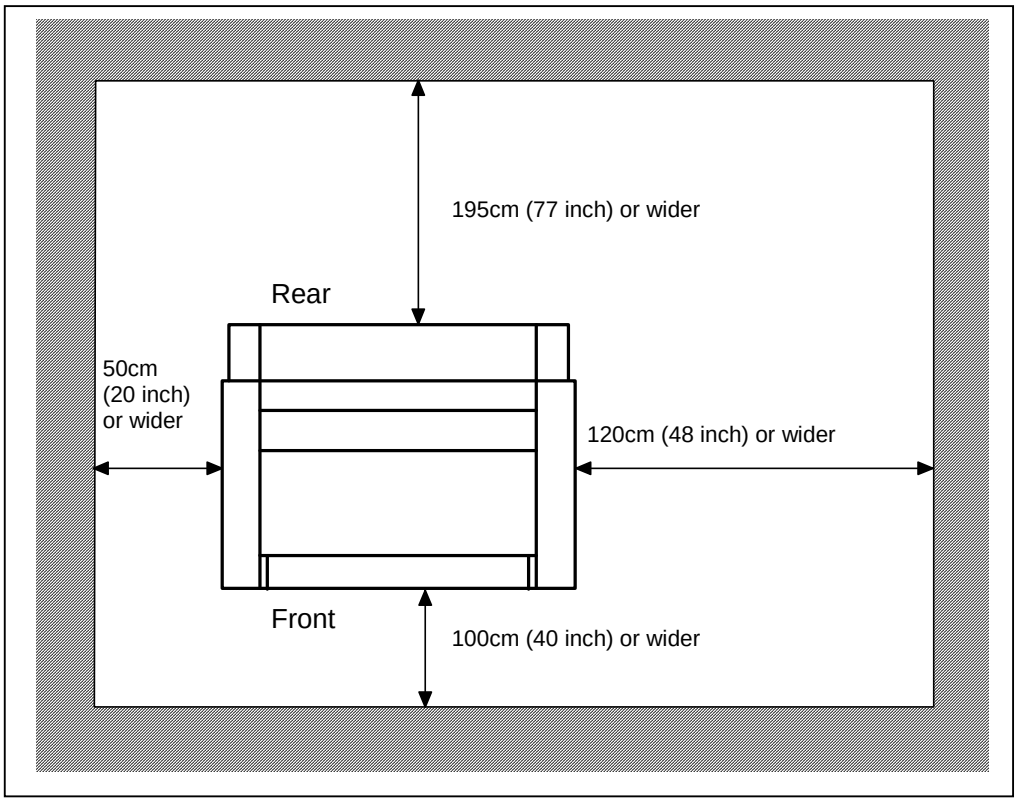
(5) The installation site must not have open flames, dust or ammonia gases.

(6) The equipment should not be exposed to the direct sunlight.
Please draw curtains to block any sunlight.

(7) Ozone will be generated while this equipment is in use, although the quantity generated is within safe levels. (see certifications)
Ventilate the room, if required.

(8) Levelling Bolts on the bottom of the KIP 9000 should touch the floor correctly.
And the equipment must be levelled.
Floor strength must be ample to sustain the weight of the equipment.

(9) Keep ample room around the equipment to ensure comfortable operation.
Required space is noted.



1. 2 Originals Prohibited from Duplication

It may be illegal to duplicate or copy certain types of originals and you may be punished by local or regional laws, if copies are made of these types of originals. Please be aware of your local or regional laws and which originals they forbid you to duplicate.

Some Examples:
[Originals prohibited from copying by the law(s)]

1. Do not copy Currency (Bill, Money, Bank Note, etc.), Government issued Negotiable Instruments (National Bonds, Security, Local Debt Bonds, etc.).
2. Do not copy Foreign Currency or Foreign Negotiable Instruments.
3. Do not copy unused postal stamps or government postcards without permission to make replica from said Governments.
4. Do not copy Government issued revenue stamps, certificate stamps that are prescribed by Liquor Tax Act or the Commodity Tax Act.

[Special items which require your attention]

1. The government issues warnings if you are to copy private issued securities (stock certificate, draft, check, goods ticket, etc.), commutation ticket or book of tickets, excluding that some specific company copies such originals as many as it requires for its own business.
2. We recommend you not copy originals as government issued passports, public or private issued licenses, automobile inspection certification, ID and tickets passes or meals.

[Originals protected by the copyright]

It is prohibited to copy originals such as books, music, paintings, printed copies, maps, drawings, movie posters and pictures which are protected by the copyright laws.
Please see your local or regional laws.

1. 3 Features

(1) New Contact Development Technology with non-magnetic mono-component toner

Superior image quality ..... High definition line, distinctive greyscale and consistent solid black can be produced.

100% toner efficiency ..... No waste toner is generated. Neither cleaning mechanism nor waste toner receptacle is needed. It is environmentally friendly and can reduce the running cost.

(2) Superior printing productivity

KIP9000's fast print speed (240mm/sec) enables to process large volume of prints/copies (11 A0 or E minute).

(3) Long parts life and low frequency of service maintenance

Service parts are durable for very long use and self-cleaning functions of KIP9000 enables the operator to enjoy quality images for a long term without maintenance.

(4) Pre-calibrated LED Head

All LED pixels are individually calibrated for the best image quality.

(5) Image Enhancement Technology

Dependent on the image, the best level of Image Enhancement is automatically calculated.

(6) Installation of roll media and Toner Cartridge while printing

It is possible to install new roll media or add more toner without interrupting printing operation.

(7) Long print

The maximum print length guaranteed is 6 meters (19.7 ft)(with plain paper).
The maximum possible length is 24 meters. (75ft) (Quality of print is not guaranteed.)

1. 4 Specifications

Subject	Specification
Model	KIP 9000
Type	Console
Printing method	LED Array Electro Photography
Photoconductor	Organic Photoconductive Drum
Print speed	240mm / second (11 A0 or E per minute - 22 A1 or D)
Exposure method	LED Print Head
Resolution	600dpi x 600dpi
Print width	Max : 914mm (36 inches) Min : 297mm (11 inches)
Print length	Max : Plain paper ..... 6m when A0 or 36" (19.7ft) Tracing paper ..... A0 / 48 inch Film ..... A0 / 48 inch **NOTE : Longer print than the above specified maximum lengths is available. However, KIP does not guarantee any result including image quality and media feeding if the print is longer than the above specified lengths.** Min ..... 210mm (8.5")
Warm up time	Less than 6 minutes (At 23 degrees centigrade, 60% RH and 230V)
First print time	Shorter than 12 seconds (A0 or E)
Fusing method	Heat roller fusing
Development	Contact type mono component non-magnetic development system One toner cartridge contains 500g.
Charging method	Corona
Media feeding method	Automatic roll feeding (4 Roll Decks) Manual bypass feeding **NOTE : Multiple cut sheet feeding (50 sheets max) is available when the size is narrower than A2 (594mm) or 24".**
Transfer method	Corona
Separation method	Corona and LED
Input power	220 - 240V (+6% / -10%), 16A and 50/60Hz in U.S.A. and Europe
Interface	KIP Interface 8 (LVDS) USB2.0 (5VDC max) RS-232C (12VDC max)
Maximum power consumption	When 230V, 50/60Hz and Dehumidify Heater is ON Stand by ..... 0.9 Kwh Printing ..... 3.0 Kwh Warm up ..... 3.5 Kwh
Acoustic noise	Less than 70db (Printing) **NOTE : Impact noise is excluded.** Less than 55db (Stand by)
Ozone	Less than 0.05ppm (Average of 8 hours)
Dimensions	1360mm (Width) x 980mm (Depth) x 1265mm (Height) (54x39x50)
Weight	About 400kg (880lbs)
Media	Specified media Plain paper ..... 18 - 24# 70 - 90g/m^2 Tracing paper ..... 18 - 24# 70 - 90g/m^2 Film ..... 100 micrometer (4mil) or thinner.

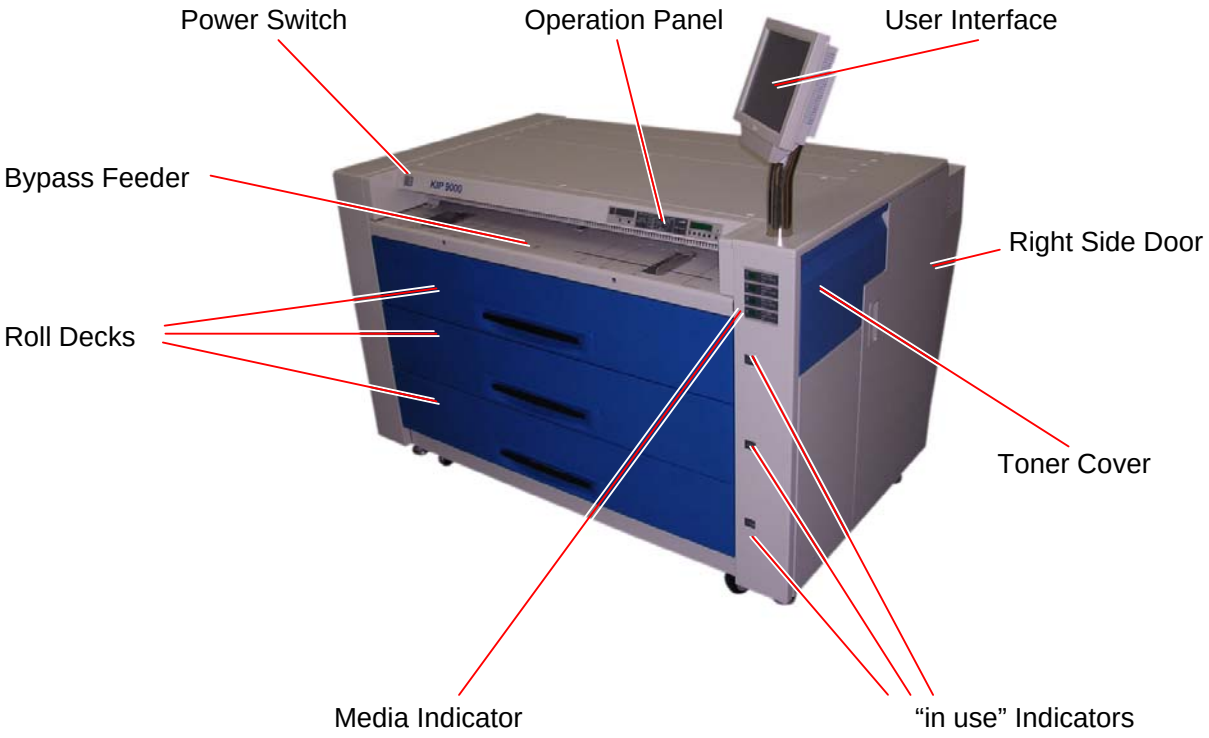
Subject	Specification
Environmental condition	Temperature ..... 10 - 32C (50 - 89F) Humidity ..... 20 - 80% RH
Storage condition of consumables	Print media ..... Keep the media surely in a plastic bag and close to shut out the humidity. Toner ..... Keep the toner cartridge away from the direct sunlight, and store it in the condition of 0 - 35 ^{o}C and 10 - 85% RH.

NOTE

These specifications may be changed without notice.

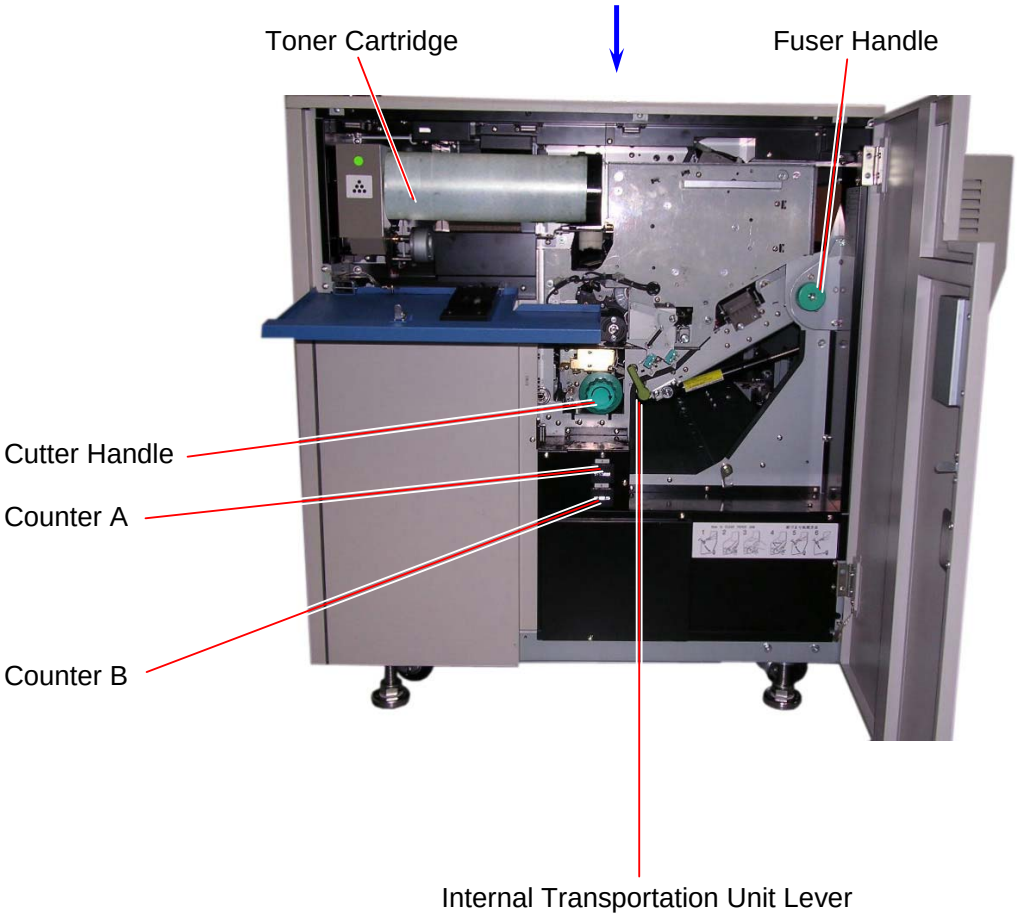
1. 5 Appearance

1. 5. 1 Front view



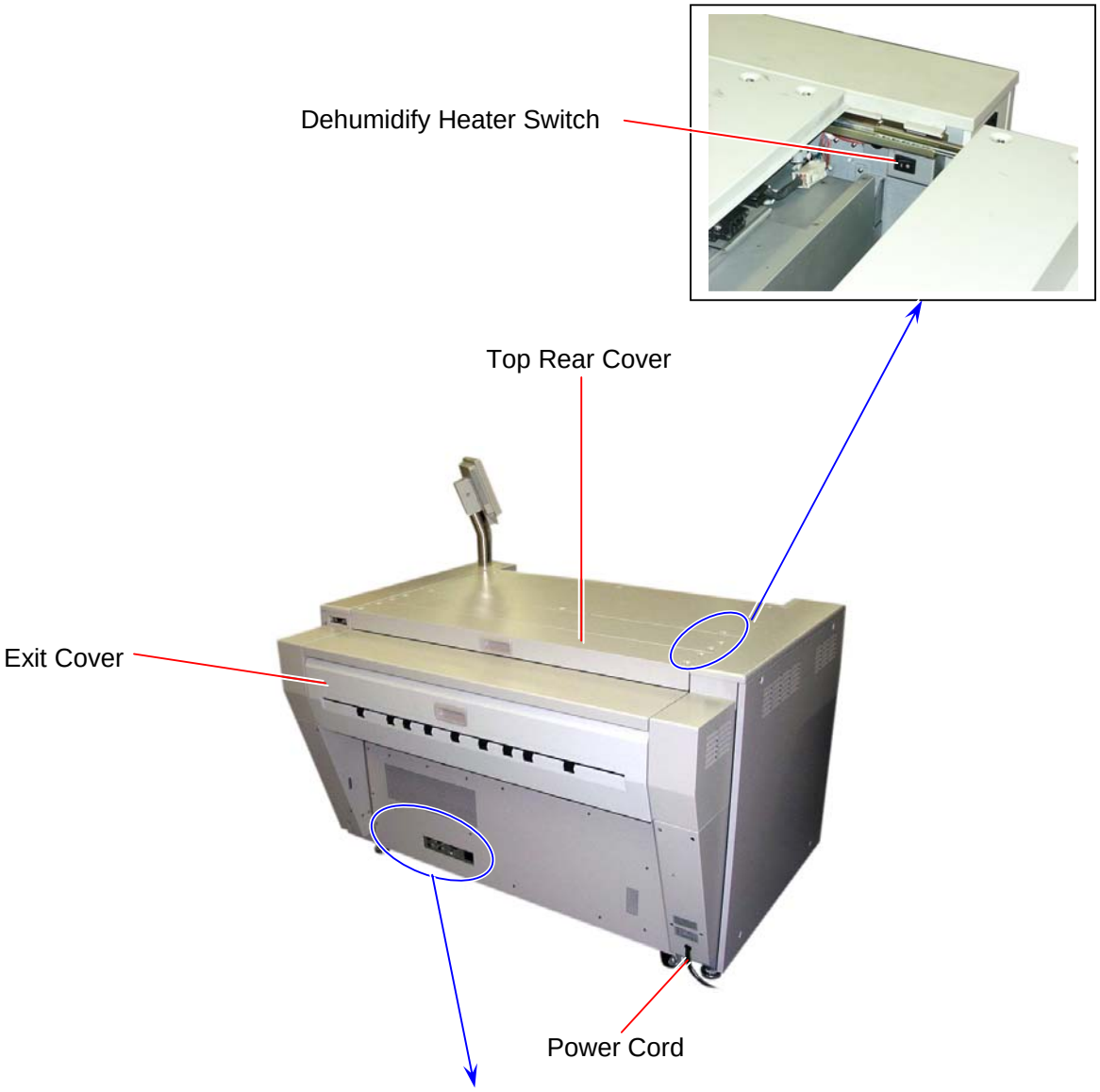
Name of part	Function
Power Switch	Turns on/off the KIP9000.
Bypass Feeder	Cut sheet media can be set here and fed into. Multiple cut sheet feeding (50 sheets max) is available when the size is narrower than A2 (594mm) or 24”.
Operation Panel	Indicates the status of KIP 9000, error, mis-feed location and so on.
Roll Decks	There are 4 Roll Decks (Drawers are 3 but Roll Spools are 4.). Each Roll Deck holds one roll of media. Roll Deck 1 : (Top drawer) Roll Deck 2 : (Middle drawer) Roll Deck 3 : (Front side of bottom drawer) Roll Deck 4 : (Rear side of bottom drawer)
Media Indicator	Informs the size and the type of roll media loaded on each Roll Deck.
Toner Cover	Can access to the Toner Supplying Mechanism and replace the Toner Cartridge.
Right Side Door	Can access the internal of KIP9000 for removing the mis-fed media.
Use Interface	Touch Screen offers many kinds of user operation.
“in use” Indicators	Shoes the Roll Deck that must not be opened.

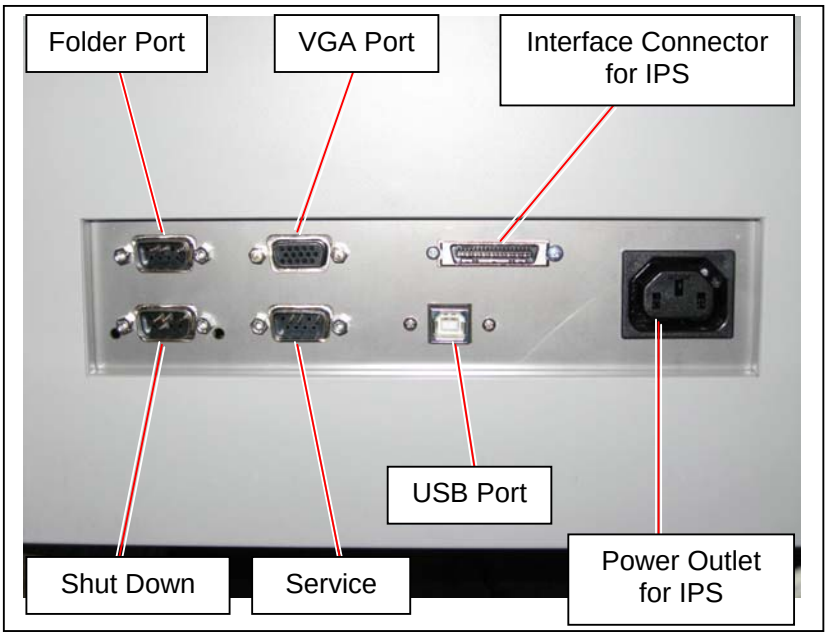
1. 5. 2 Right side view



Name of part	Function
Cutter Handle	Can cut the roll media manually if it has not been cut yet after it was mis-fed.
Counter A	Counts the linear meter / feet of total prints.
Counter B	Counts the square meter / feet of total prints.
Internal Transportation Unit Lever	Can unlock and open the Internal Transportation Unit for removing the mis-fed media.
Fuser Handle	Can eject the mis-fed media manually from the Fuser Unit.
Toner Cartridge	Includes 500 grams of toner.

1. 5. 3 Rear view

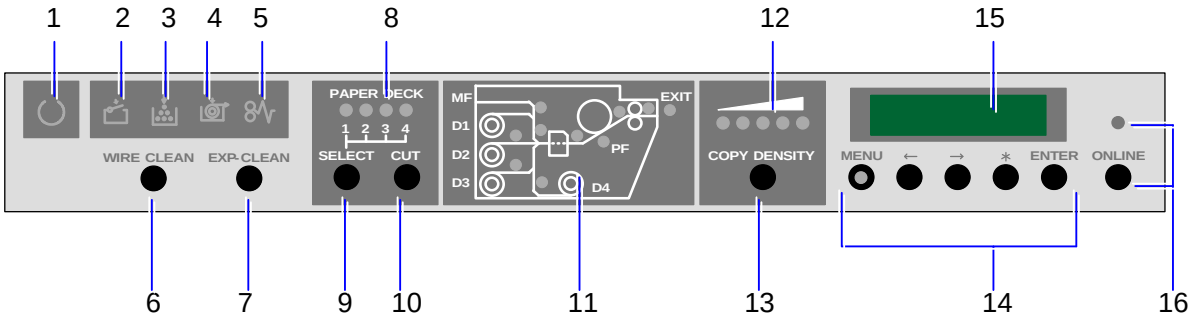




Name of part	Function
Exit Cover	Can remove the mis-fed media around Fuser section.
Interface Connector for IPS	Connects the cable from the controller unit. D-Sub Connector 36 pins, 3.3Vdc maximum (large)
Folder Port	Connects the cable from the finishing device (Folder, etc). 12Vdc maximum - Not used in North America
Shut Down	Connects the Shutdown Signal Cable. KIP 9000 will send a shutdown signal to the controller through this cable. 12Vdc maximum
Service	For Service personnel only
VGA Port	Connect the cable here, which comes from the controller VGA port by UL-Listed cable for Touch screen LCD. 5Vdc maximum
USB Port	Connect the cable here, which comes from the controller USB Key Connector Type B for Touch screen LCD. 5Vdc maximum
Top Rear Cover	Can access the Dehumidify Heater Switch.
Power Outlet for IPS	In case you place a controller unit outside of the KIP 9000, it is possible to supply AC power from the KIP 9000 to the controller unit if you connect the power cord to this outlet. (220 - 240V, 3A maximum) Connected controller unit must meet UL Standard 60950-1 (UL-Listed) NOTE: Specification for Power Cord used in North America Use the following type of Power Cord for a controller unit. (1) Rating minimum 250VAC 7A (2) Plug Type IEC60320: C13 (3) Socket Type IEC60320: C14 (4) Cord H05VV-F 3G-0.75mm SVT3x18AWG (5) UL-Listed
Power Cord	Connect to the wall outlet.
Dehumidify Heater Switch	Turns on/off the Dehumidify Heater.

1. 5. 4 Operation Panel

Operation Panel on offers several user operations.
Names and functions of key and indication LED are as follows.

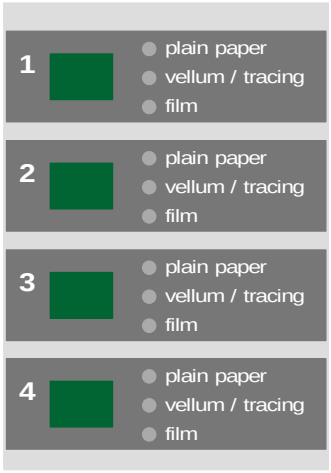


No.	Name of part	Function	Refer to page;
1	Ready Indicator	Flashes green when KIP 9000 is warming up, and lights green when it is ready.	2-2
2	Open Indicator	Lights orange when any door or unit is open or unlocked.	3-26
3	Toner Empty Indicator	Flashes red when the toner is near empty. (Toner Cartridge has no Toner). Lights red when the toner is completely empty. (Developer Unit has no toner. No more print is available.)	2-17
4	Roll Empty Indicator	Lights red if the roll media in use is empty.	2-4
5	Mis-feed Indicator	Lights red when the print media is mis-fed.	3-2
6	WIRE-CLEAN Key	Starts cleaning for the Image Corona Wire.	3-33
7	EXP-CLEAN Key	Starts cleaning for the LED Head.	3-34
8	Roll Deck Indicator	Shows the present selection of roll to perform initial cut.	2-23
9	SELECT Key	Selects a roll to perform initial cut.	2-23
10	CUT Key	Performs initial cut for the selected roll.	2-23
11	Mis-feed Location Indicator	Shows the location of mis-fed media by lighting the concerning LED.	3-2
12	Density Indicator	Shows the present selection of density level.	-
13	COPY DENSITY Key	Changes the density level for making the print density darker or lighter.	-
14	MENU Key ← Key → Key * Key ENTER Key	[MENU], [←], [→] and [ENTER] Keys are used in User Modes. (The service personnel may use them also in the field service.) [*] Key is used to stop the alarm sound.	2-25 to 2-72

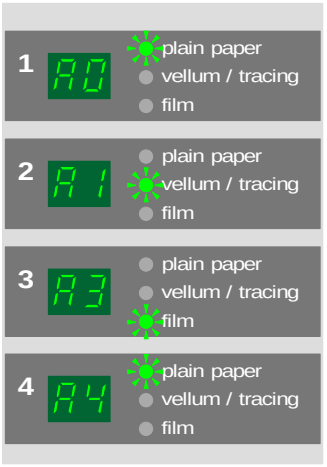
No.	Name of part	Function	Refer to page;
15	Status Display	Indicates kinds of information such as error codes, mis-feed codes, and etc.	-
16	ONLINE Key & Indicator	The ONLINE Indicator lights green when KIP9000 is online, and it is put out when offline. ONLINE Key switches between online and offline, and also cancels the User Mode.	2-25 to 2-72

1. 5. 5 Media Indicators

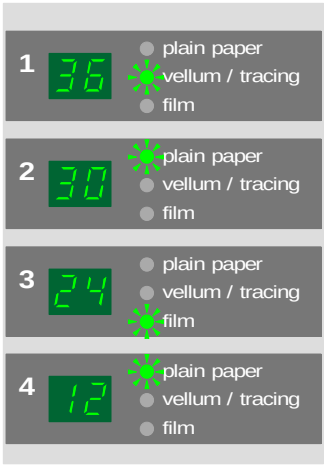
The Media Indicator on the right front of KIP9000 informs the size (width) and the type of roll media installed in each Roll Deck.



Example 1 : Metric mode
- Roll Deck 1 : A0 plain paper
- Roll Deck 2 : A1 tracing paper
- Roll Deck 3 : A3 film
- Roll Deck 4 : A4 plain paper

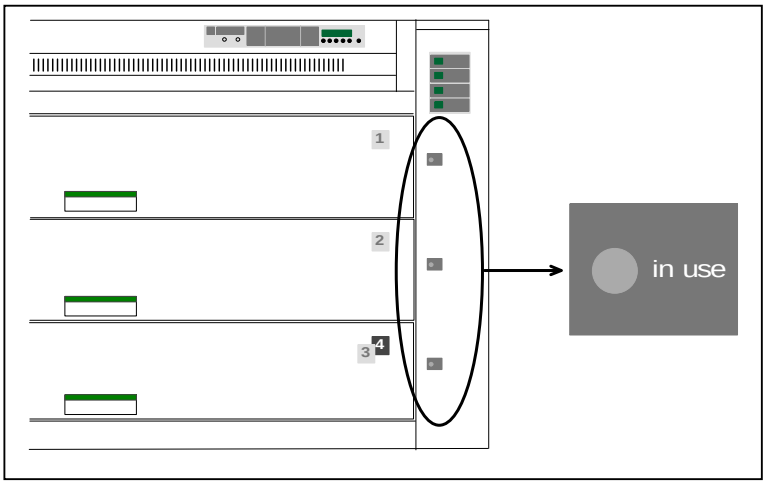


Example 2 : Inch mode
- Roll Deck 1 : 36” vellum
- Roll Deck 2 : 30” plain paper
- Roll Deck 3 : 24” film
- Roll Deck 4 : 12” plain paper



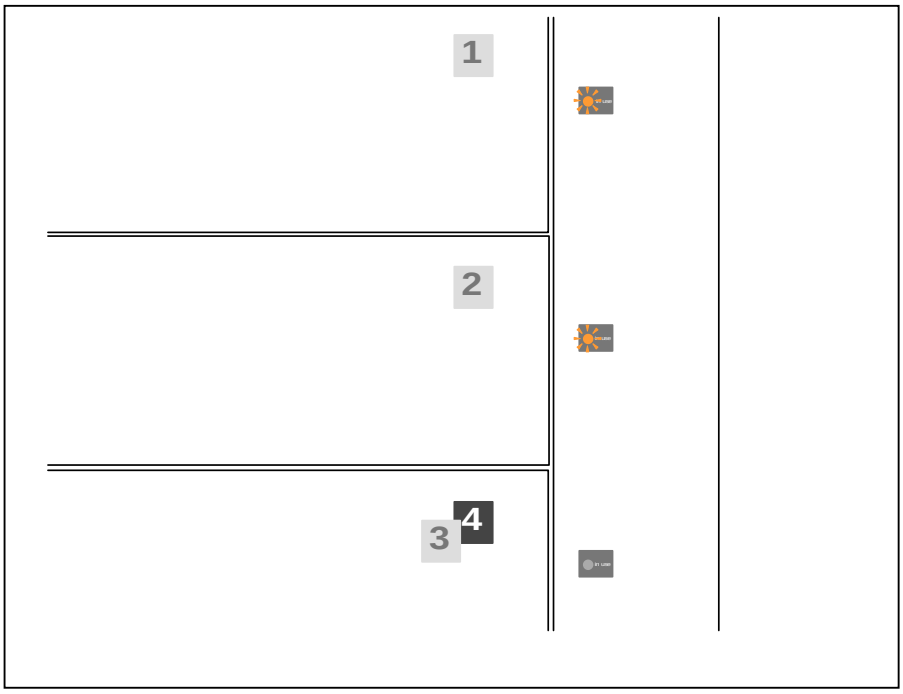
1. 5. 6 “in use” Indicators

3 “in use” Indicators on the right front of KIP9000 are related with 3 drawers respectively, and inform the operator which drawer must not be opened during printing.



One or two “in use” Indicator light orange when the KIP 9000 is on printing.
Do not open the drawer if the concerning “in use” Indicator is lighting orange.
The drawer can be opened even if the KIP9000 is on printing if the concerning “in use” Indicator is not lighting.

Example : Top and middle drawer can not be opened as the “in use” Indicators for them are lighting orange.
Only the bottom drawer can be opened as its “in use” Indicator is not lighting.



Reference

Even if the KIP9000 is printing, it is possible to open the drawer and replace/install the roll media without interrupting the print operation. However, it is not necessarily allowed to open any drawer at any time. A certain drawer can not be opened in the following situations.

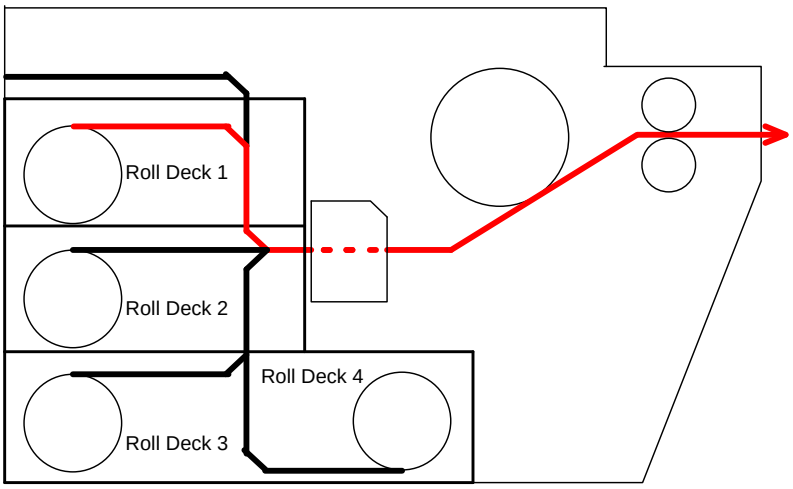
1. When the roll media is fed from a certain drawer, this drawer can not be opened.
2. When the media (including cut sheet media) fed from other drawer is passing through the media path in a certain drawer, this drawer can not be opened.

See the following section diagram. Media feeding paths from each Roll Deck is integrated into one path in the middle drawer. When the KIP 9000 is printing with the roll media fed from the Roll Deck 1 for example, only the bottom drawer can be opened. (“in use” Indicators for top and middle drawers will light orange in this case.)

Top Drawer is not allowed to open.

Middle Drawer is not allowed to open.

Bottom Drawer is allowed to open.



Chapter 2

Basic Operations

Page

2. 1 Turning on the KIP 9000 ..... 2- 2

2. 2 Turning off the KIP 9000 ..... 2- 3

2. 3 Setting the Roll Media into Roll Deck 2- 4
2. 3. 1 Roll 1, 2 & 3 ..... 2- 5
2. 3. 2 Roll 4 2-11

2. 4 Setting Cut Sheet Media to Bypass Feeder 2-13
2. 4. 1 Multi-feeding of cut sheet media 2-14
2. 4. 2 Singular feeding of cut sheet media 2-15

2. 5 Replacing the Toner Cartridge 2-17

2. 6 Dehumidifying the Roll Media 2-21

2. 7 Initial Cut (Straighten the leading edge of roll media) 2-23

2. 8 User Modes 2-25
2. 8. 1 User Mode 1 (Test Print) 2-26
2. 8. 2 User Mode 2 (Calendar setting) 2-28
2. 8. 3 User Mode 3 (Warm Sleep Mode ON / OFF & timer setting) 2-33
2. 8. 4 User Mode 4 (Cold Sleep Mode timer setting) 2-37
2. 8. 5 User Mode 5 (Automatic paper cut at power ON) 2-40
2. 8. 6 User Mode 6 (Transfer Support LED ON/OFF [Film]) 2-43
2. 8. 7 User Mode 7 (Alarm ON / OFF) 2-46
2. 8. 8 User Mode 8 (Choice of Standard / Special Print Mode [Plain paper]) 2-49
2. 8. 9 User Mode 9 (Choice of Standard / Special Print Mode [Tracing paper]) 2-53
2. 8.10 User Mode A (Choice of Standard / Special Print Mode [Film]) 2-56
2. 8.11 User Mode B (Selection of Image Enhancement Mode) 2-59
2. 8.12 User Mode C (Print on TE margin area) 2-62
2. 8.13 User Mode D (Error check level for E-26 error) 2-66
2. 8.14 User Mode E (Error check level for E-28 error) 2-69
2. 8.15 User Mode F0 to Fb (Fold settings applied when Bay Folder is connected) 2-72

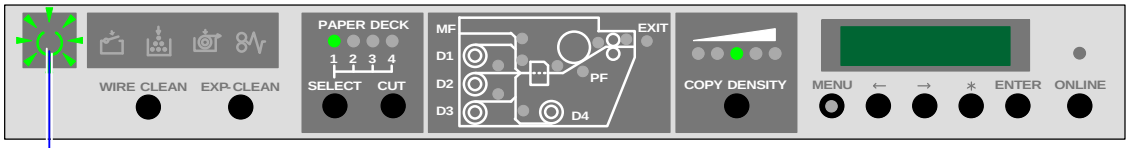
2. 1 Turning on the KIP 9000

1. Plug the KIP 9000 into an exclusive wall outlet.

> **NOTE**
>
> Please confirm the outlet satisfies the following condition before plugging the KIP 9000 into.
>
> U.S.A. / Europe ..... 220 - 240V (+6% / -10%), 16A, 50/60Hz

2. Press “|” side of Power Switch to turn on the KIP 9000.

3. KIP 9000 starts warming up the Fuser Unit, and the Ready Indicator on the Operation Panel starts flashing.



Ready Indicator flashes.

4. The Ready Indicator lights when the KIP9000 gets ready about 6 minutes later.
   Send a print job or copy job from the outer devices.

2. 2 Turning off the KIP 9000

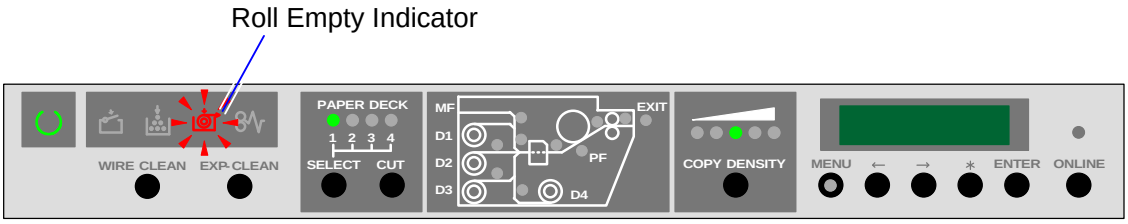
Press "⏻" side of Power Switch to turn off the KIP 9000.

NOTE

The controller unit starts shutdown process after turning off the KIP9000, and it will take about 2 minutes until complete shut down. Do not unplug the KIP 9000 from the outlet for about 2 minutes after turning off therefore. The controller unit may be broken if the KIP 9000 is unplugged before the completion of shut down process.

2. 3 Setting the Roll Media into Roll Deck

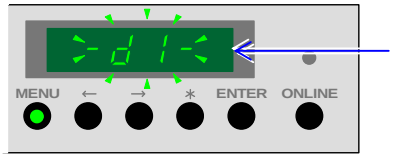
The Roll Empty Indicator on the Operation Panel flashes in red when the used roll media is emptied during printing. Install a new roll media.



Reference

(1) Even if the KIP9000 is printing, it is possible to open the drawer and replace/install the roll media without interrupting the print operation. However, it is not necessarily allowed to open any drawer at any time. Do not open the drawer when its “in use” Indicator is lighting. Refer to [1.5.6 “in use” Indicator] on page 1-14 for the detail.

(2) Some Media Source Code is indicated on the Status Display during print to show which media source is used currently. (This is not indicated when printer is not on printing.)
If the remainder of roll becomes smaller than ¼ of new one, this code flashes to show it is “near empty”.



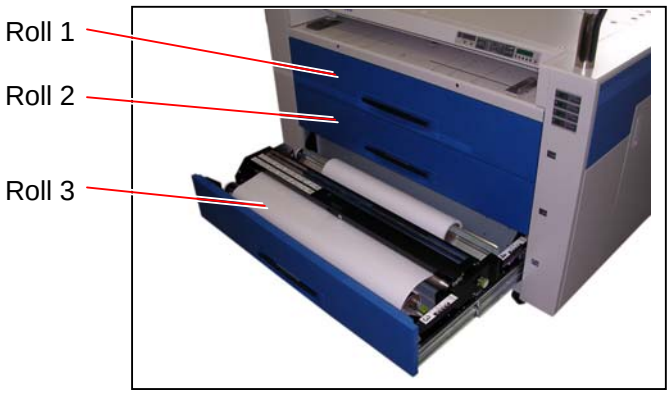
Media Source Code flashes when the roll media is near empty.

The followings are the correspondence of Media Source Codes and media sources.

- d 1 - : Roll 1 is used.
- d 2 - : Roll 2 is used.
- d 3 - : Roll 3 is used.
- d 4 - : Roll 4 is used.
- b P - : Bypass Feeder is used.

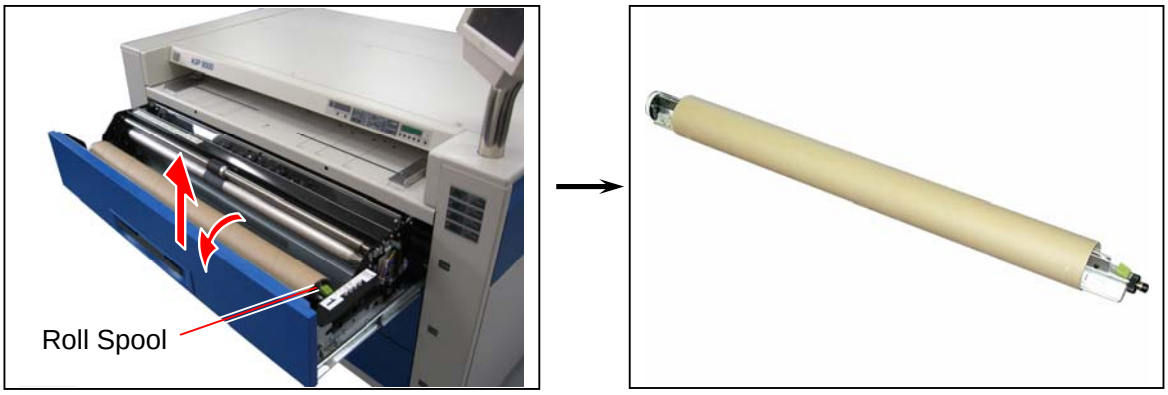
2. 3. 1 Roll 1, 2 & 3

Install a new roll media onto Roll 1, 2 and 3 using the following directions.



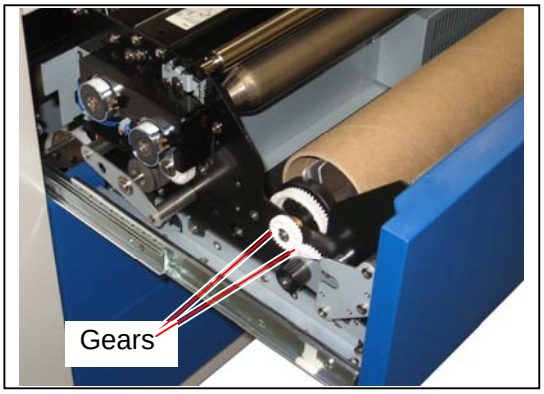
1. Draw out the concerning Roll Deck.

2. Retrieve the Roll Spool to the arrow direction a little to disengage the gears on the left, and remove the Roll Spool from the deck.

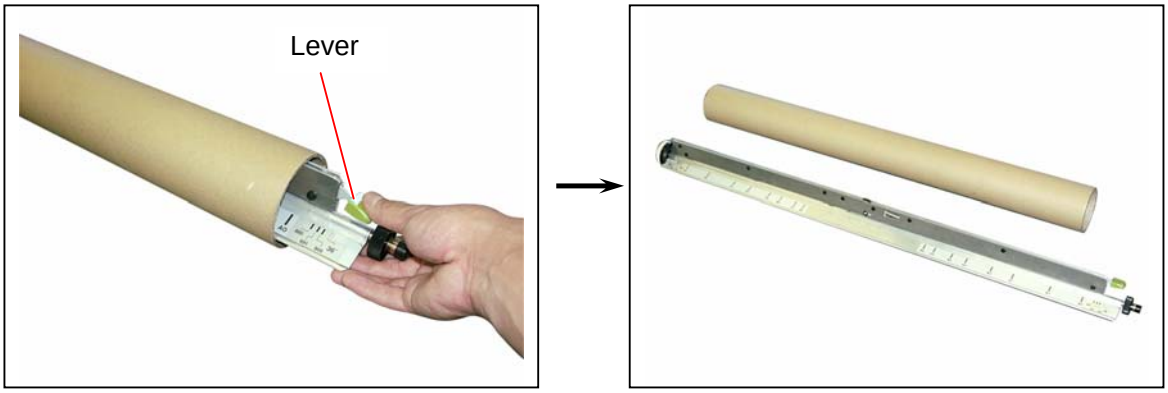


NOTE

If the Roll Spool is removed without disengaging the gears on the left, these gears will be broken.



3. Unlock the core of roll press down the green lever on the right of the Roll Spool, and pull out the Roll Spool from the core.



4. Pressing down the green lever, insert the Roll Spool to the new roll media.

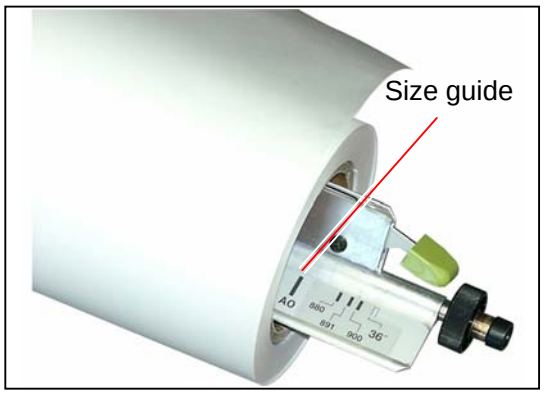
NOTE

Do not install the roll media with wrong direction.

Correct

Wrong

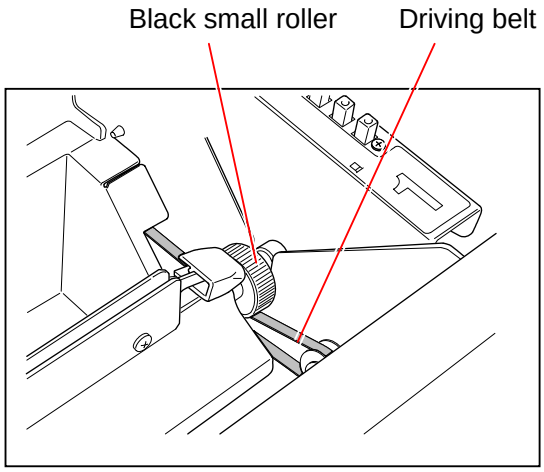
5. Align the edge of roll media with the concerning size guide, then release the green lever. The roll media is firmly fixed to the Roll Spool.



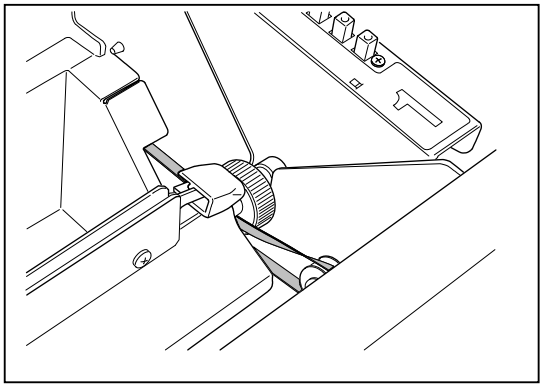
6. Return the Roll Spool to the Roll Deck.

NOTE

The driving belt inside of the Roll Deck must be flat and evenly contact on the bottom of black small roller on the right of Roll Spool.
If it is twisted or not contacting the black small roller properly, correctly it.

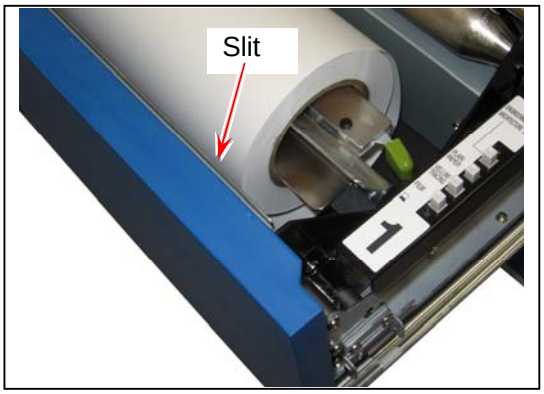


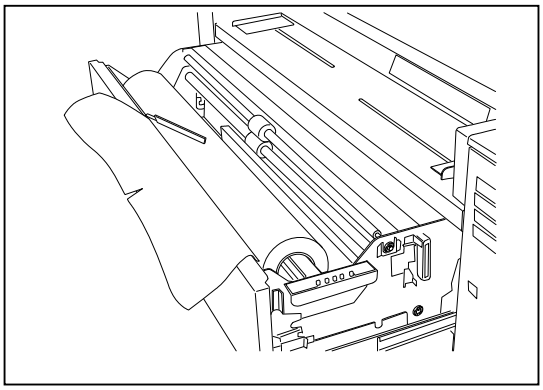
Correct



Wrong (Belt is twisted.)

7. Using a slit on each drawer, cut off the leading part of roll media with a cutter knife to straighten the leading edge.

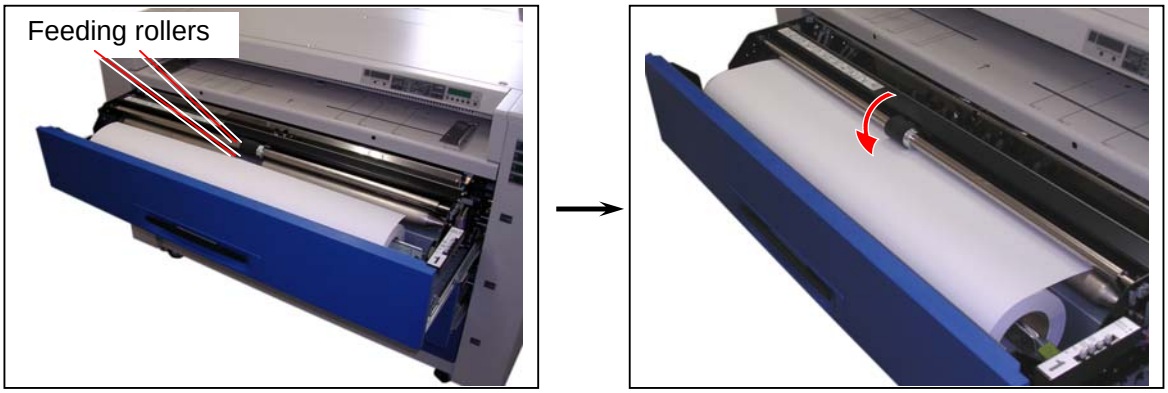




NOTE

Do not feed any media with tape or adhesive remaining on it. It is best to trim at least one full revolution from the roll when installing a new roll.

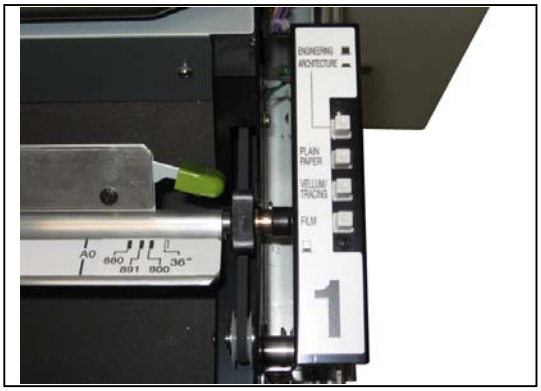
8. Insert the leading edge of media between feeding rollers, and rotate the upper feeding roller to pinch the leading edge (1-2cm) with the rollers.



NOTE

The Roll Deck 3 only has a positioning hole. (Other Rolls do not have it.)
Feed the roll media until its leading edge comes to appear in the hole, and place the leading edge at the center of the hole.

9. Set the Media Selector correctly according to the type of media installed.
   If any inch size media is installed, select either “ENGINEERING” or “ARCHITECTURE” as well.
   (“ENGINEERING” is selected when the button is up, and “ARCHITECTURE” when it is down.)



NOTE

Set the Media Selector to correct media type. (Including Architecture/Engineering selection)
Wrong setting of Media Selector could cause unexpected defective printing result.

10. Close the Roll Deck.

2. 3. 2 Roll 4

The way of paper installation to Roll 4 is a little different from the way for other Rolls because of the different location of Roll 4's feeding rollers. This section instructs only the operation individually required for Roll 4. Refer to [2.3.1 Roll 1, 2 & 3] on page 2-5 for the rest of common operations.

1. Draw out the bottom Roll Deck.

2. Remove the Roll Spool from the Roll Deck, pull out the Roll Spool from the old roll media, and set the new roll media onto the Roll Spool.

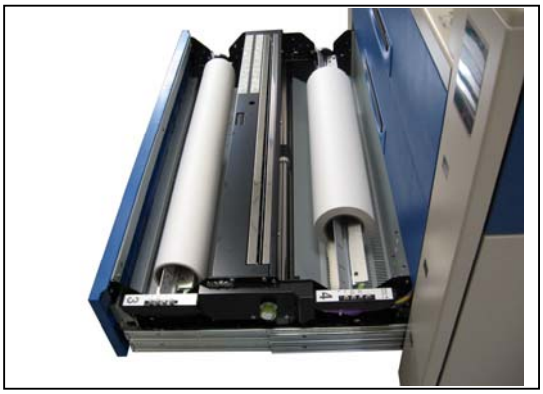
NOTE

Please keep the correct direction as the following left photo.
(It is the same way you make for Roll 1, 2 & 3.)

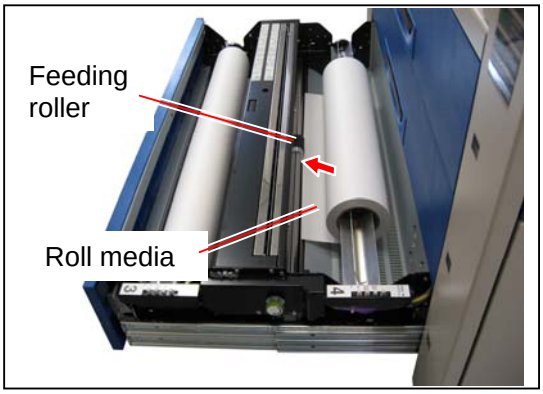
Correct

Wrong

3. Return the Roll Spool to the Roll Deck 4.



4. Insert the leading edge of media under the feeding roller.



5. Rotate the green knob clockwise to pinch the leading edge (about 1-2cm) with the feeding rollers.

6. Close the Roll Deck 4.

2. 4 Setting Cut Sheet Media to Bypass Feeder

Cut sheet media can be fed into KIP9000 from the Bypass Feeder. Orientation, length and availability of multi-feeding are specified for each media width separately as follows.

Metric size

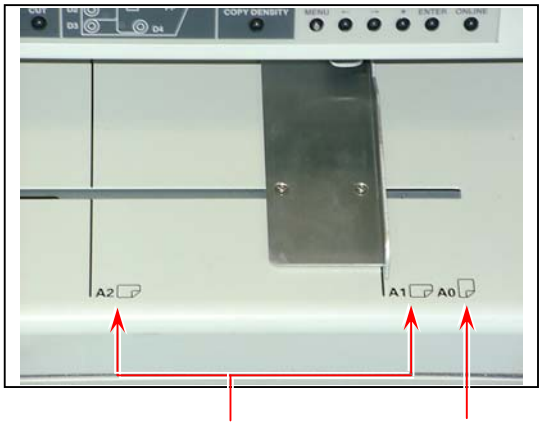
Width of cut sheet media	Available orientation	Available length	Availability of multi-feeding
297mm	Landscape only	210mm only	Available
420mm	Landscape only	297mm only	Available
594mm	Landscape only	420mm only	Available
841mm	Portrait & Landscape	Not specified (But it must be longer than 440mm.)	Not available

Inch size

Width of cut sheet media	Available orientation	Available length	Availability of multi-feeding
11”	Landscape only	8.5” only	Available
12”	Landscape only	9” only	Available
17”	Landscape only	11” only	Available
18”	Landscape only	12” only	Available
22”	Landscape only	17” only	Available
24”	Landscape only	18” only	Available
30”	Portrait & Landscape	Not specified (But it must be longer than 440mm.)	Not available
34”	Portrait & Landscape	Not specified (But it must be longer than 440mm.)	Not available
36”	Portrait & Landscape	Not specified (But it must be longer than 440mm.)	Not available

NOTE

(1) Availability of orientation for each media size is illustrated on the Bypass Feeder. Please follow the illustration when setting the cut sheet media.



Orientation is specified

(2) Multi-feeding is available if the cut sheet media is narrower than A2 (594mm) or 24”. Refer to [2.4.1 Multi-feeding of cut sheet media] on page 2-14.

2. 4. 1 Multi-feeding of cut sheet media

Multiple cut sheet feeding (50 sheets max) is available when the size is narrower than A2 (594mm) or 24". The followings are the sizes that can be fed by multi-feeding. (Orientation must be landscape)

Metric :	297mm x 210mm (A4)	Inch : 11" x 8.5"	18" x 12"
	420mm x 297mm (A3)	12" x 9"	22" x 17"
	594mm x 420mm (A2)	17" x 11"	24" x 18"

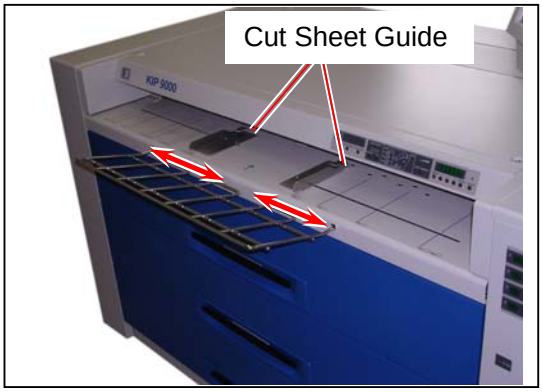
NOTE

(1) Do not attempt to make multi-feeding with other sizes of media as it will result in mis-feed or duplicate feeding. The internal mechanism of KIP9000 may be broken in the worst case.

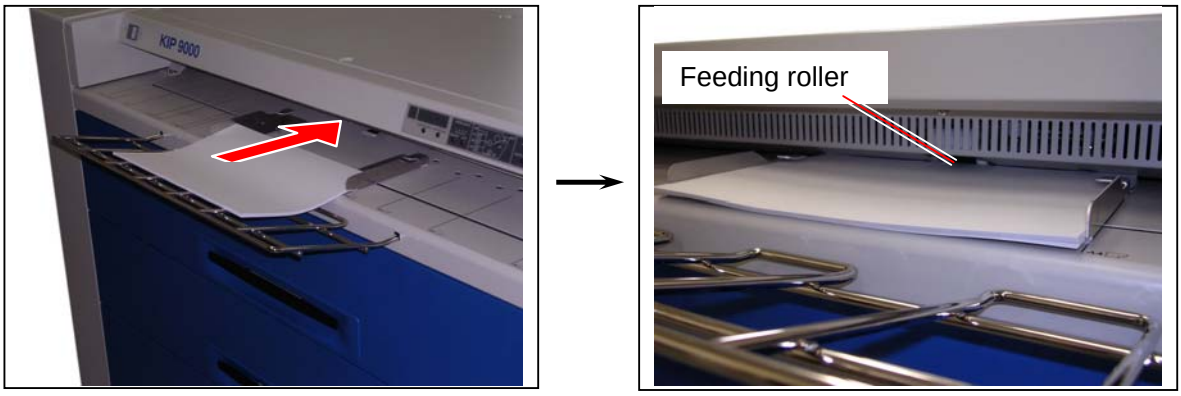
(2) Do not leave the cut sheet media on the Bypass Feeder for a long time as it will get moisture. Such media will result in mis-feed or defective image.
(Keep the media in a plastic bag to block the moisture.)

1. Select the bypass feeding mode on the outer device.

2. Slide the Cut Sheet Guides and place at the requested size guides.



3. Arrange the edges of media, put the media on the Bypass Feeder, and move them forward until the leading edges contact the feeding roller.



NOTE

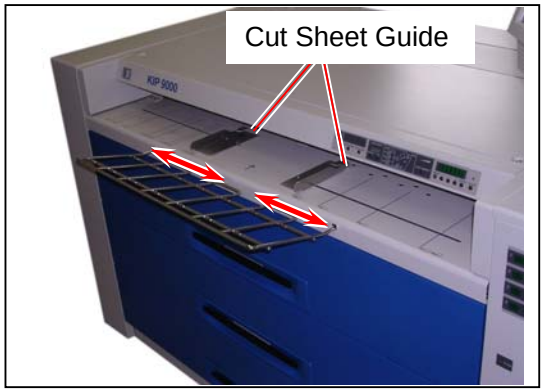
Landscape feeding only is available.

2. 4. 2 Singular feeding of cut sheet media

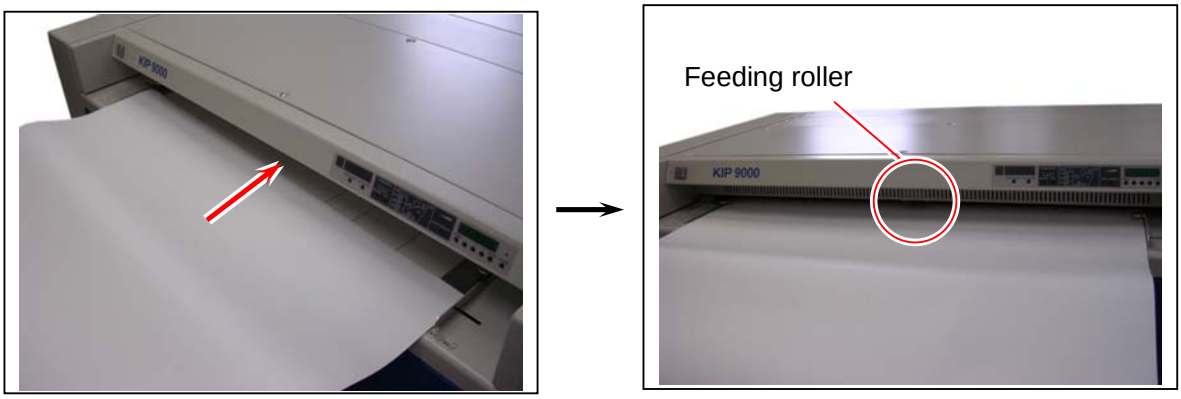
Larger cut sheet media than A2 (594mm) or 24” can be fed into KIP9000 by singular feeding only.

> **NOTE**
>
> Do not leave the cut sheet media on the Bypass Feeder for a long time as it will get moisture. Such media will result in mis-feed or defective image. (Keep the media in a plastic bad to block the moisture.)

1. Select the bypass feeding mode on the outer device.
2. Slide the Cut Sheet Guides and place at the requested size guides.



3. Put the media on the Bypass Feeder and move it forward until the leading edge contacts the feeding roller.



NOTE

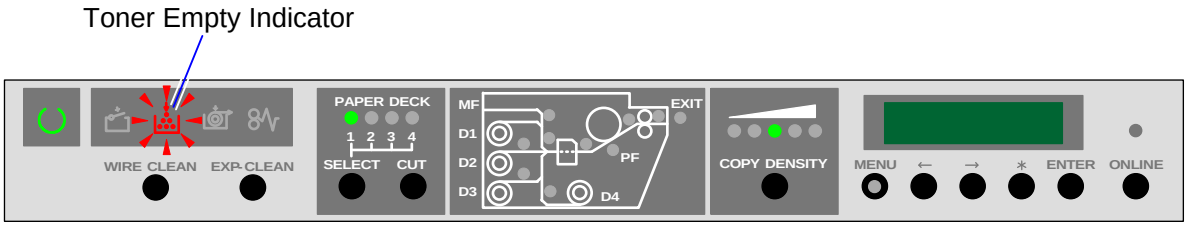
As curled cut sheet media will cause a mis-feed, straighten the media as far as possible before printing.
And also please set the media by “curl down” direction as a mis-feed can be avoided.
Setting of media by “curl up” direction tends to result in a mis-feed.

Correct (curl down)

Incorrect (curl up)

2. 5 Replacing the Toner Cartridge

The Toner Empty Indicator on the Operation Panel flashes when the toner is “near empty”, and it lights when the toner is completely empty. Replace the Toner Cartridge when it lights.



Reference

(1) Even if the KIP 9000 is on printing, it is possible to replace the Toner Cartridge without interrupting printing.

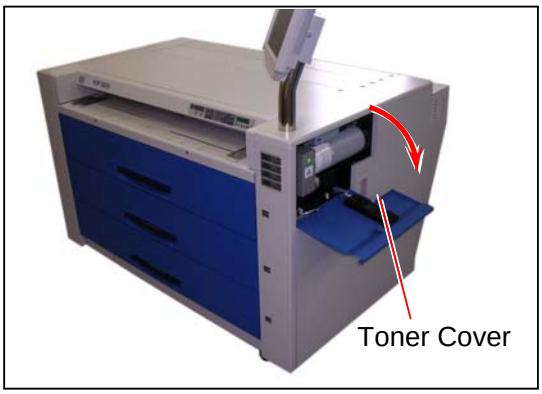
(2) It is still possible to make some more printing when the Toner Empty Indicator is flashing, but the toner will be soon emptied completely and the KIP9000 will no more be able to continue printing. For avoiding machine down, prepare a new Toner Cartridge before the Toner Empty Indicator starts flashing.

NOTE

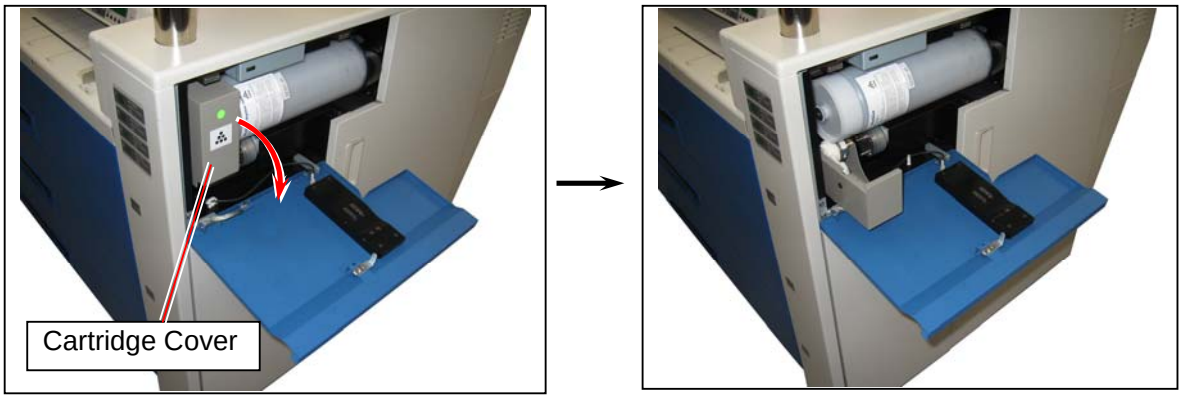
(1) The KIP9000 Toner Cartridge is embedded with the IC Tag for an exclusive use on KIP9000. Even if the Toner Cartridge for other models is installed, the KIP9000 does not operate with indicating an error code “C-01”.

(2) Once the Toner Cartridge become empty with the toner, the KIP9000 recognizes its IC Tag information. The same Toner Cartridge can no more be installed onto the KIP9000 after that. The KIP9000 does not operate with indicating an error code “C-01” if once emptied Toner Cartridge is installed.

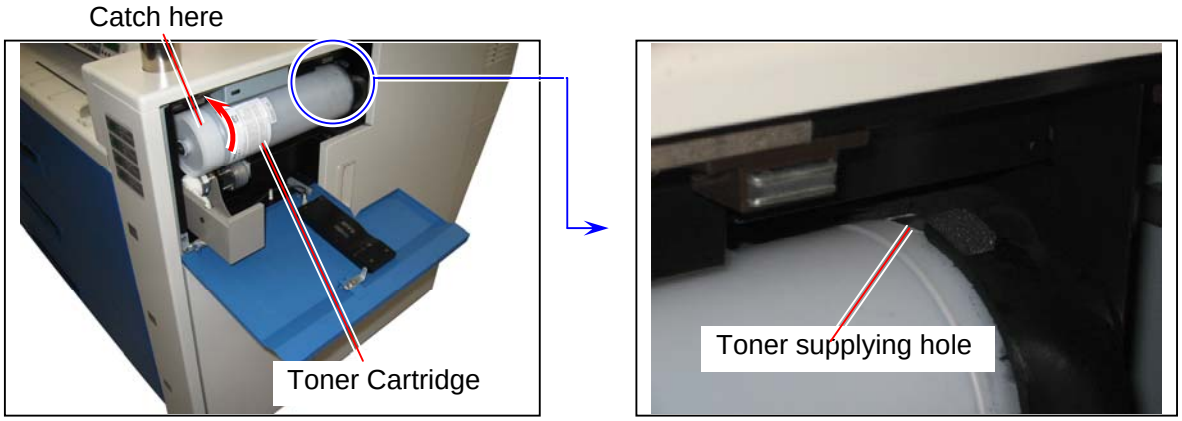
1. Open the Toner Cover on the right face.



2. Open the Cartridge Cover.



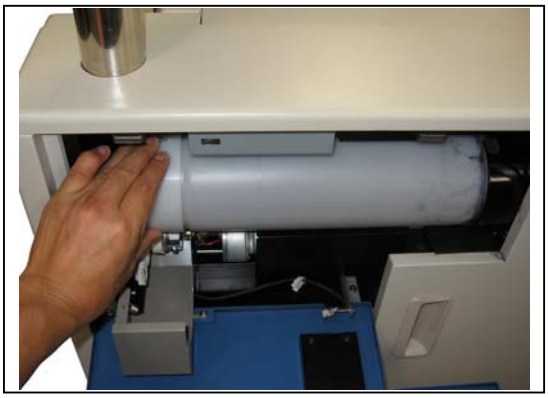
3. Catching the left end of Toner Cartridge, rotate it half revolution until the toner supplying hole of the cartridge becomes visible in the notch as the following right photo.



NOTE

(1) The toner will drop and will dirt the floor if the cartridge is removed without directing its toner supplying hole up.

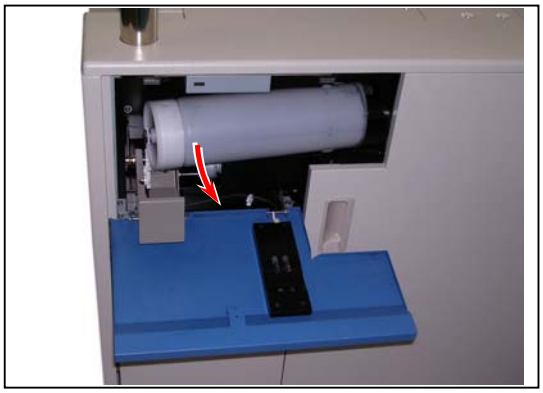
(2) Catch the left end of Toner Cartridge. If you catch its body as the following incorrect example, the toner will spill out.



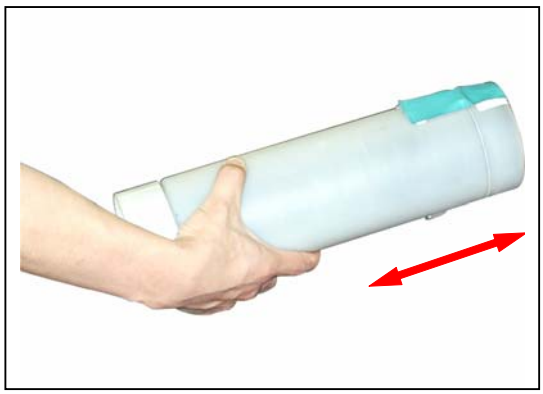
Correct

Incorrect

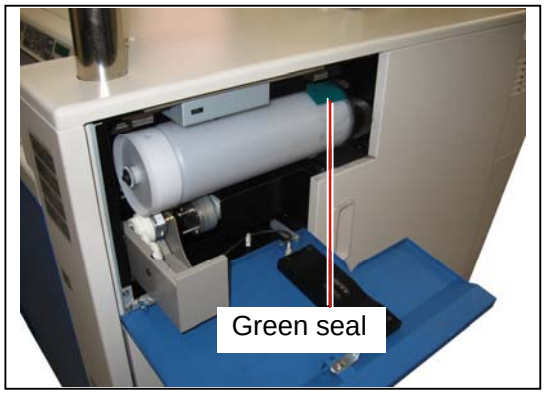
4. Remove the Toner Cartridge catching its left end.



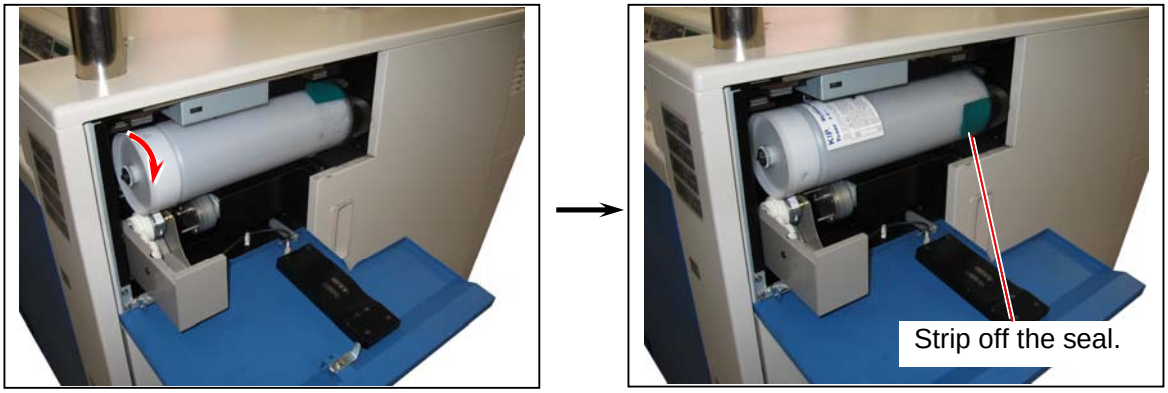
5. Shake the new Toner Cartridge fully to loosen the toner.



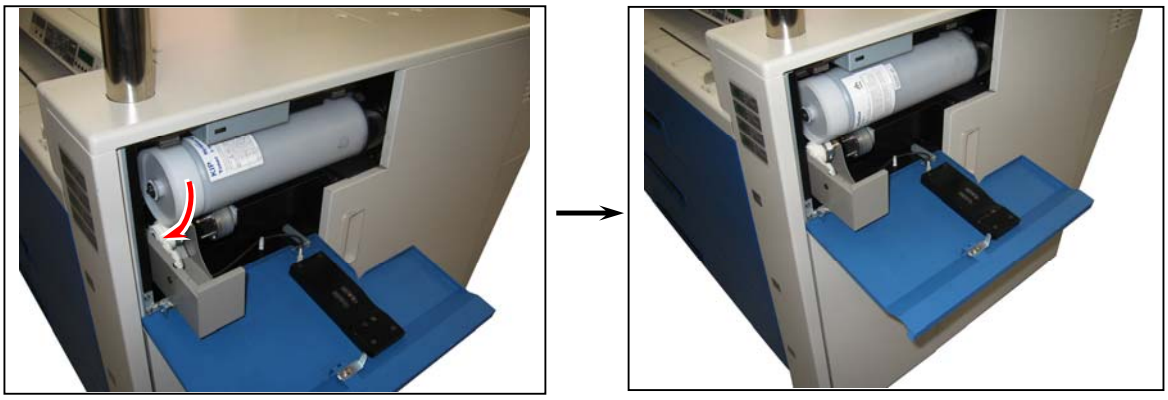
6. Install the new Toner Cartridge with its green seal up.



7. Rotate the Toner Cartridge quarter revolution, and then strip off the green seal.



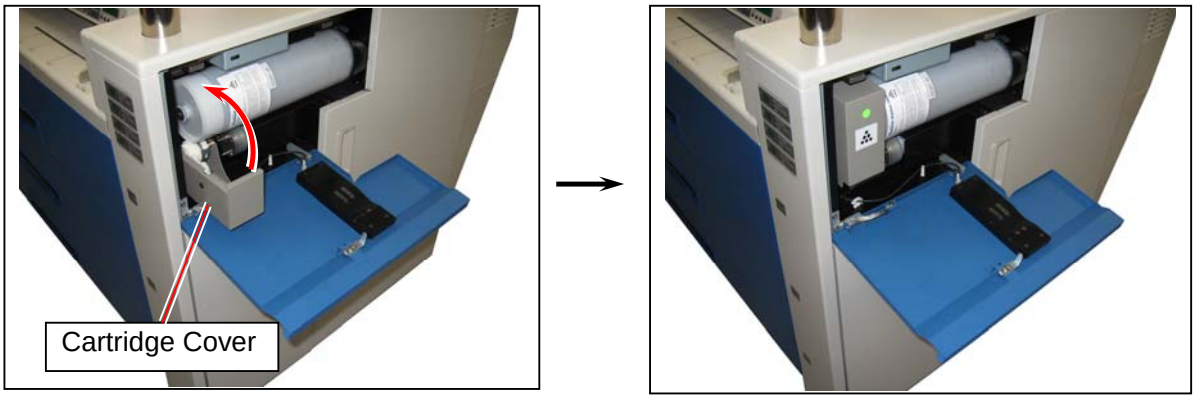
8. Rotate the cartridge quarter revolution more to place the toner supplying hole on the bottom.



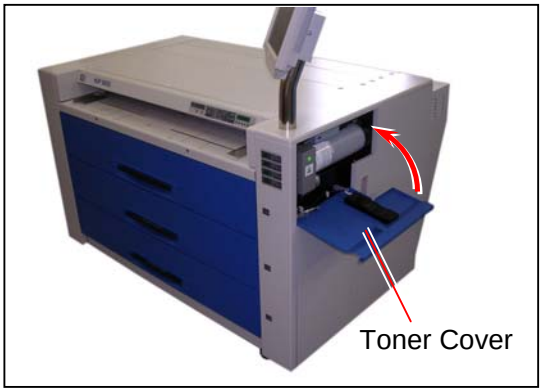
NOTE

Be sure to place the toner supplying bole on the bottom. Otherwise the KIP9000 will show Toner Empty Error soon as the toner can not be supplied with this state.

9. Close the Cartridge Cover.

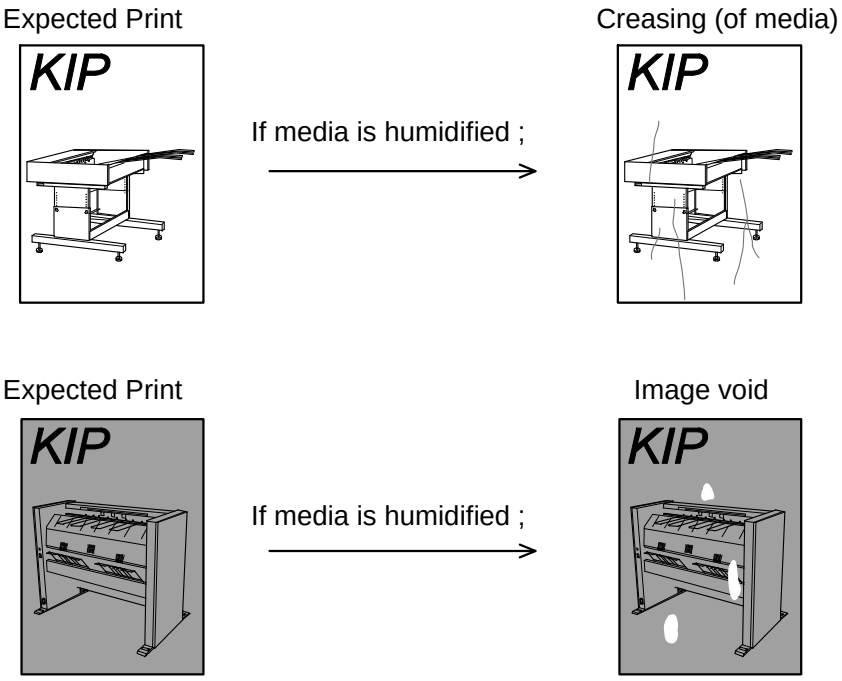


10. Close the Toner Cover.



2. 6 Dehumidifying the Roll Media

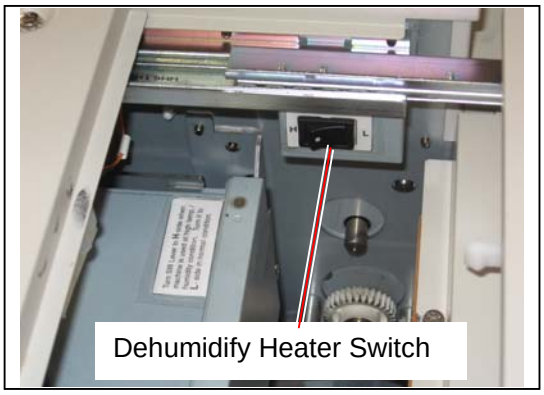
Printing with a humidified media will result in several printing defects. The most popular defects are “creasing” and “image void”.



If the roll media is kept in the Roll Deck for a long time with being exposed to the air, the media tends to be more humidified and results in the above defects with higher frequency. To avoid this situation as far as possible, the KIP 9000 is provided with the Dehumidify Heater for drying the roll media in the Roll Deck.
If the above defects can be seen when the air is very humidified (higher than 60%), try to turn on the Dehumidify Heater as the defects may be resolved.

1. Open the Top Rear Cover.

2. There is a Dehumidify Heater Switch on the right.
   Press “H” to turn on the Dehumidify Heater, and press “L” to turn it off.



Reference

(1) KIP9000 offers some kinds of operation mode of Dehumidify Heater, which specify when the heater should work. Your service personnel select the best operation mode at machine installation considering your usage environment. If “creasing” or “image void” starts to occur so frequently when the usage environment changes (because of seasonal reason and etc) during normal use, it may be fixed if the operation mode is changed to other ones. Consult your service personnel in such case. (User can not change the mode.)

(2) The KIP9000 must be plugged into the outlet for operating the Dehumidify Heater. (Some operation mode enables the Dehumidify Heater to work even if the KIP9000 is turned off at night if only it is plugged in. Do not plug out the KIP9000 in such case especially.)

(3) Dehumidify Heater is just a possibility to fix “creasing” or “image void”, but it is NOT the complete solution for such defects. If the media has been already humidified before installed to the Roll Deck, it will be no use in turning on the Dehumidify Heater. **The user needs to take great care for preventing the printing media from being humidified.**

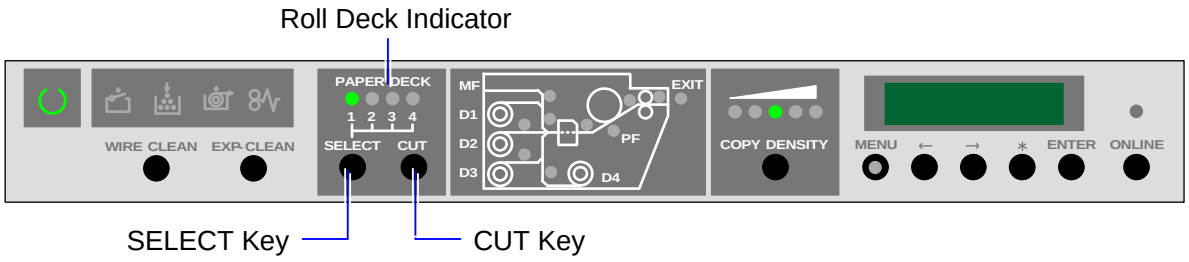
- Do not unpack the media until right before it is to be installed to the machine.
- When the air is very humidified, do not leave the roll media in the deck. Remove it from the deck, put it in a plastic bag and close firmly to avoid the humidity.

2. 7 Initial Cut (Straighten the leading edge of roll media)

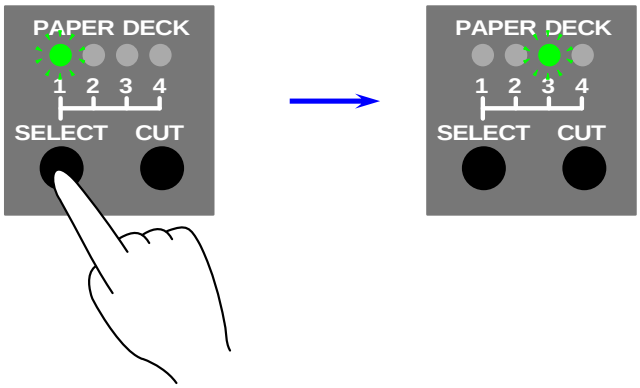
The leading part (240mm) of roll media can be cut off to have a straight edge.

Leading part of roll media

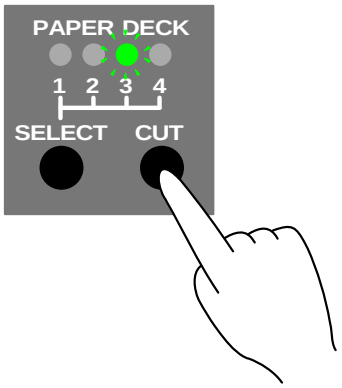
Initial Cut can be performed with SELECT Key, CUT Key and Roll Deck Indicator on the Operation Panel.



1. Pressing the SELECT Key, select the roll media to which the Initial Cut is to be performed.



2. Press the CUT Key to perform the Initial Cut. The leading part of selected roll is cut and ejected automatically. (The LED flashes during the Initial Cut.)



Reference

Initial Cut is not available when in warming up or when the Roll Deck is open. All LED of Roll Deck Indicator are put out in this case.

2. 8 User Modes

KIP 9000 provides 14 User Modes.

Name of User Mode	Description	User Mode Code
User Mode 1	Test print	U1.
User Mode 2	Calendar setting	U2.
User Mode 3	Warm Sleep Mode ON / OFF & timer setting	U3.
User Mode 4	Cold Sleep Mode timer setting	U4.
User Mode 5	Automatic paper cut at power on	U5.
User Mode 6	Transfer Support LED ON/OFF [Film]	U6.
User Mode 7	Alarm ON / OFF	U7.
User Mode 8	Choice of Standard / Special Print Mode [Plain paper]	U8.
User Mode 9	Choice of Standard / Special Print Mode [Tracing paper]	U9.
User Mode A	Choice of Standard / Special Print Mode [Film]	UA.
User Mode B	Selection of Image Enhancement Mode	Ub.
User Mode C	Print on TE margin area	UC.
User Mode D	Error check level for E-26 error	Ud.
User Mode E	Error check level for E-28 error	UE.

The following optional User Modes (F0 to Fb) are normally not accessible, but become accessible only when the folder is connected. Ask your service personnel for the detail of it and these modes are not used in the North America.

Name of User Mode	Description	User Mode Code
User Mode F	Fold settings applied when Bay Folder is connected	
	F0 : Folding type for folding method 1	UF0.
	F1 : Width of fan folding for folding method 1	UF1.
	F2 : Margin for folding method 1	UF2.
	F3 : Folding type for folding method 2	UF3.
	F4 : Width of fan folding for folding method 2	UF4.
	F5 : Margin for folding method 2	UF5.
	F6 : Folding type for folding method 3	UF6.
	F7 : Width of fan folding for folding method 3	UF7.
	F8 : Margin for folding method 3	UF8.
	F9 : Folding type for folding method 4	UF9.
	FA : Width of fan folding for folding method 4	UFA.
	Fb : Margin for folding method 4	UFb.

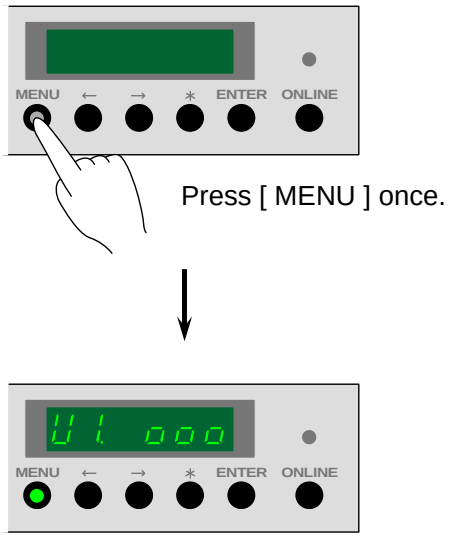
2. 8. 1 User Mode 1 (Test Print)

[Function]

An internal test pattern image can be printed out for checking image or machine operation. KIP9000 automatically selects the roll media and print size.

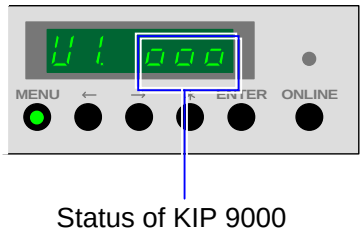
[Operation]

1. Press the [MENU] Key once to select the User Mode 1. [MENU] Key lights green and the Status Display indicates “U1.”

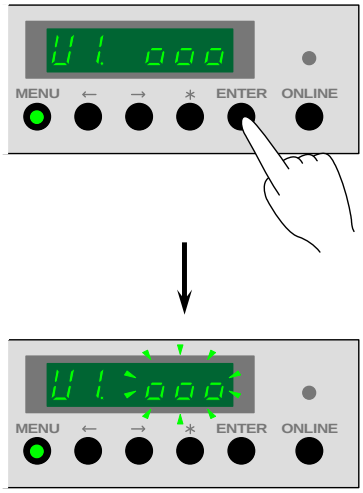


2. The 4th, 5th and 6th digits indicates the status of KIP 9000.

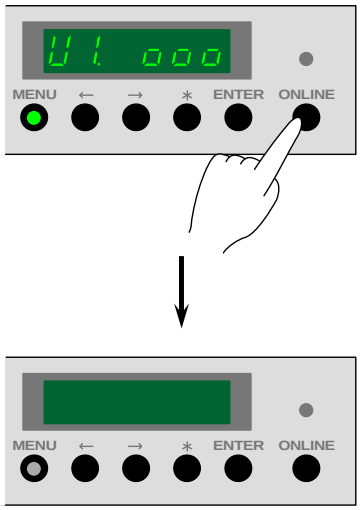
   - - - (flashing) : Test print is not available.
   ooo (lighting) : Test print is available.
   ooo (flashing) : On test printing



3. Press the [ENTER] Key when “ooo” is lighting. Test print is started and “ooo” flashes.



4. When test print is finished, “ooo” stops flashing and lights. Press the [ONLINE] Key to cancel the User Mode 1.



2. 8. 2 User Mode 2 (Calendar setting)

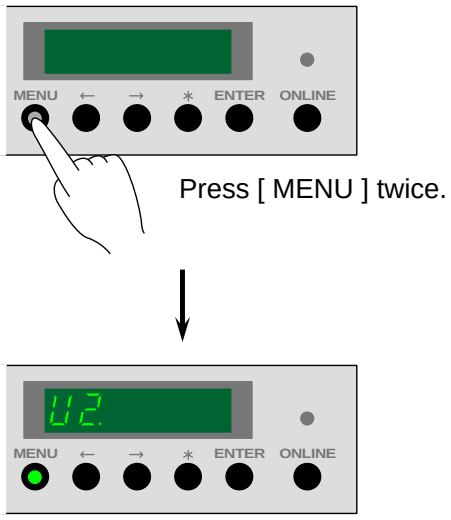
[Function]

Calender setting can be corrected if wrong. (KIP9000 memorizes calendar information on its circuit.)

> **NOTE**
>
> (1) KIP9000 can operate without problem even if the calendar setting is wrong.
>
> (2) The calendar setting is used for diagnostics purpose. If some error or mis-feed occurs, KIP9000 records it with the information “when” it occurred based on the calendar setting set in User Mode 2. As such record is very useful for the service personnel to diagnose the trouble, please set the calendar occasionally to the correct date and time.

[Operation]

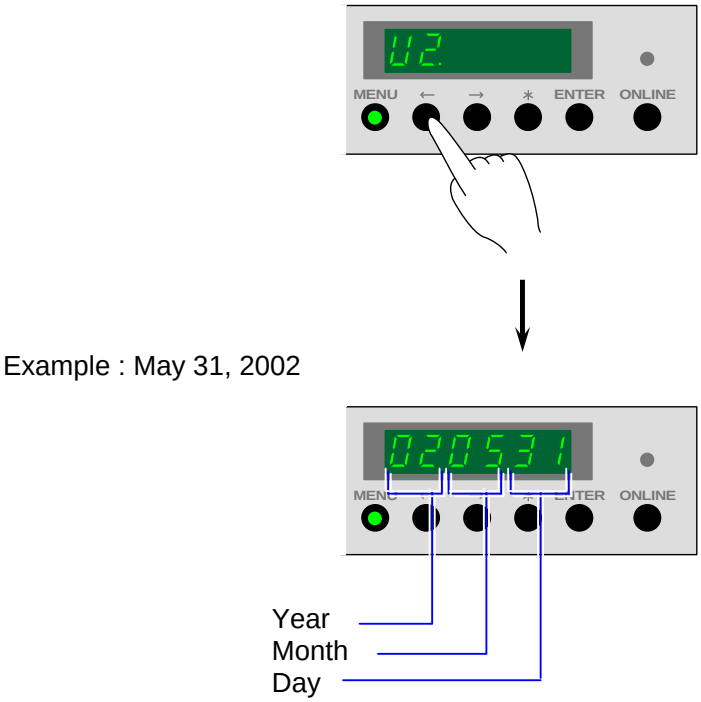
1. Press the [MENU] Key twice to select the User Mode 2. [MENU] Key lights green and the Status Display indicates “U2.”.



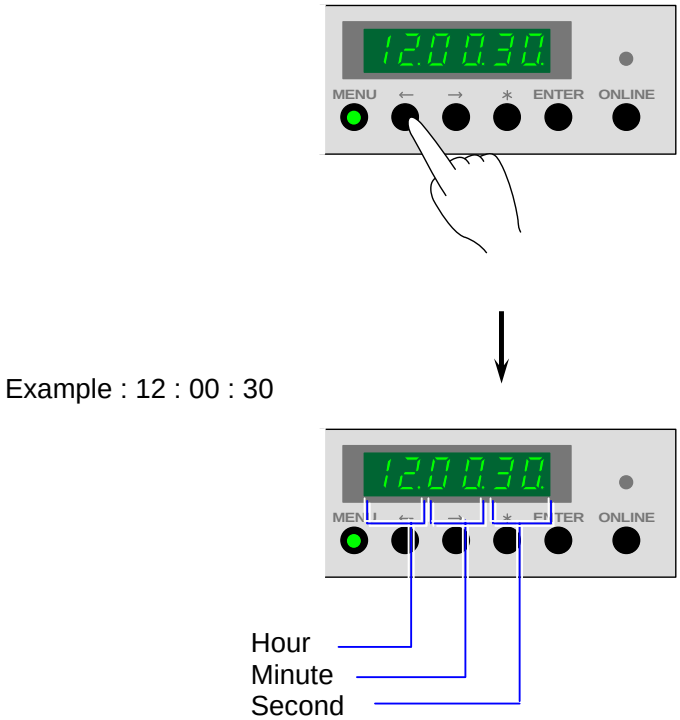
2. The User Mode 2 has 8 sub modes which can be orderly selected by pressing [←] and [→] Keys. 2 of them are “Confirmation Modes”, and the rest of 6 are “Correction Modes”.

Order of selection	Name of Sub Mode	Example of indication
1	Confirmation Mode – Date	0 2 0 5 3 1
2	Confirmation Mode – Time	1 2.0 0.3 0
3	Correction Mode – Year	C 1 0 2
4	Correction Mode – Month	C 2 0 5
5	Correction Mode – Day	C 3 3 1
6	Correction Mode – Hour	C 4 1 2
7	Correction Mode – Minute	C 5 0 0
8	Correction Mode – Second	C 6 3 0

3. Select the “Confirmation Mode – Date” first pressing the [⋖] Key, and confirm the current setting for year, month and date.



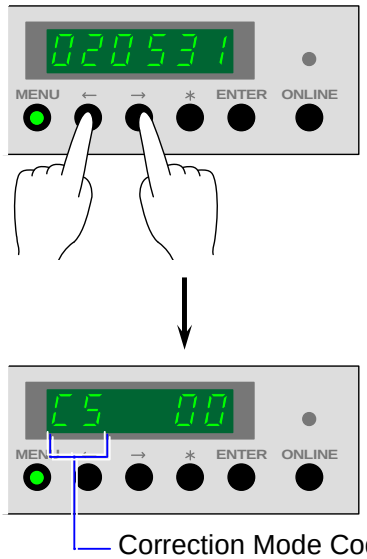
4. Select the “Confirmation Mode – Time” next pressing the [⋖] Key, and confirm the current setting for hour, minute and second.



5. If some item needs to be corrected, select its correction mode pressing [←] and [→] Keys. 6 Correction Modes are shown by Correction Mode Code as C1, C2, C3, C4, C5 and C6, and necessary correction mode can be selected by indicating its code.

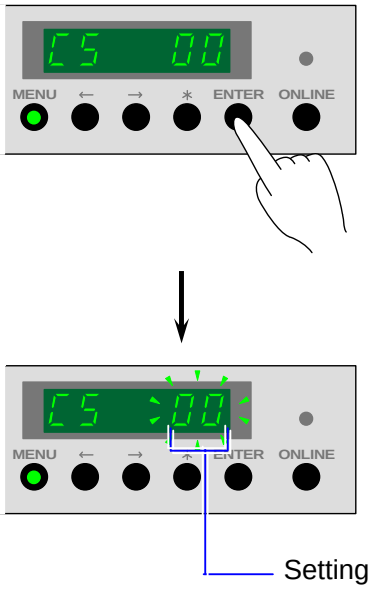
Correction Mode Codes	Description
C1	Correction Mode – Year
C2	Correction Mode – Month
C3	Correction Mode – Day
C4	Correction Mode – Hour
C5	Correction Mode – Minute
C6	Correction Mode – Second

Example : “C5” is selected as “Minute” is to be corrected.



Correction Mode Code for Correction Mode - Minute

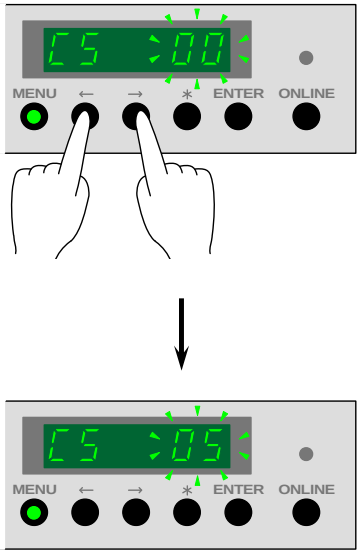
6. Press the [MENU] Key. The setting value on 5th and 6th digits flashes and becomes changeable.



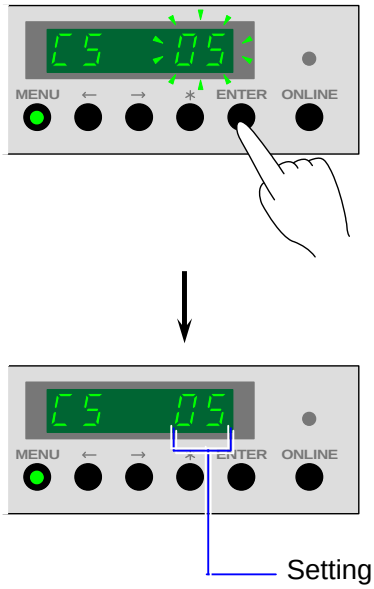
Setting value flashes.

7. Change the setting value pressing [←] Key (increment) and [→] Key (decrement).

   Example : Minute is to be corrected from 00 to 05.

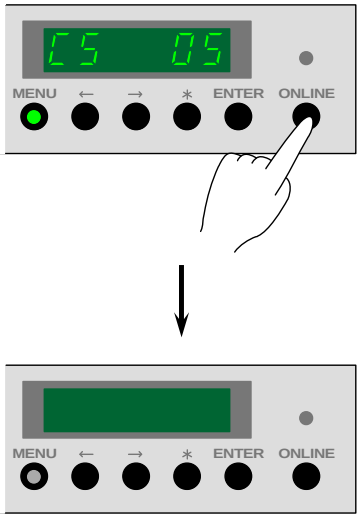


8. Decide the new setting value pressing the [ENTER] Key. The setting value stops flashing when decided.



9. Correct other setting items in the same way if necessary.

10. When all necessary items are corrected, press the [ONLINE] Key to cancel the User Mode 2.



2. 8. 3 User Mode 3 (Warm Sleep Mode ON / OFF & timer setting)

[Function]

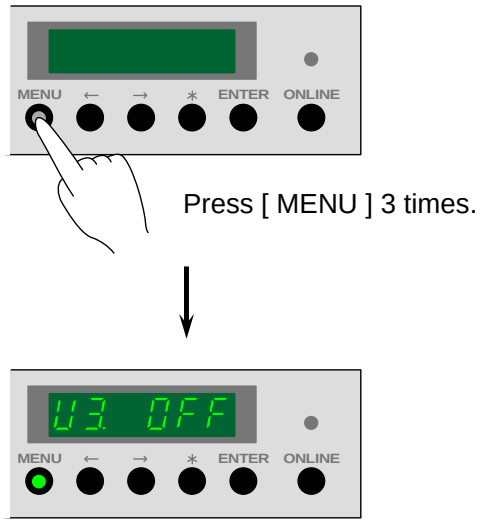
It is possible to select whether or not the Warm Sleep Mode works. The timer for Warm Sleep can be specified as well. If the KIP 9000 does not receive any print/copy for the time set as timer in User Mode 3, it will go into the Warm Sleep Mode to save the power consumption.

Reference

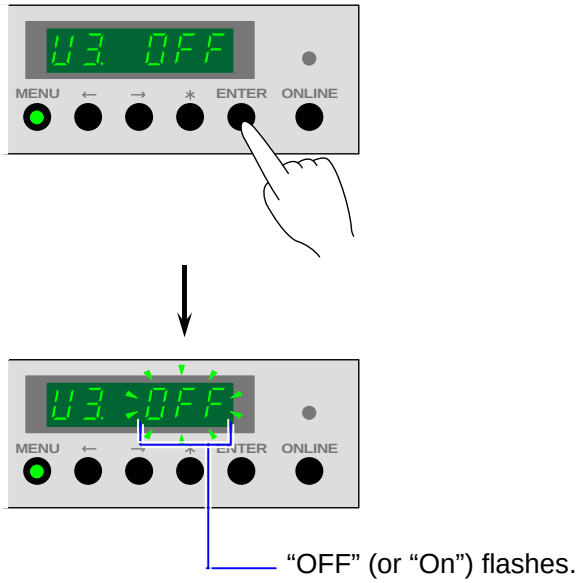
Warm Sleep Mode is a kind of power saving mode. It works when the KIP9000 does not print for the time the timer specifies. Power consumption is reduced by maintaining the temperature of fuser at a lower degree than usual stand by state.
Warm Sleep Mode will be cancelled automatically when a print job or a copy job is sent from the outer device. However it may take time until the KIP9000 starts printing as it needs to recover enough temperature on the fuser. (Print does not start until the KIP9000 gets ready recovering enough temperature.)

[Operation]

1. Press the [MENU] Key 3 times to select the User Mode 3. [MENU] Key lights green and the Status Display indicates “U3.”.

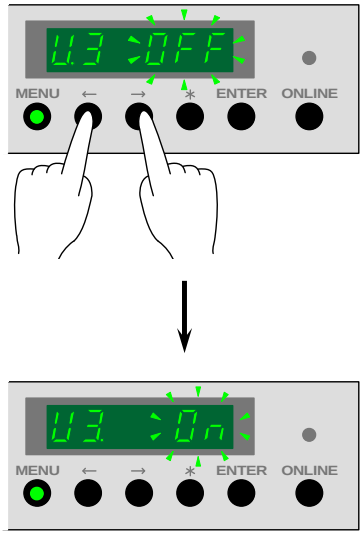


2. The Status Display indicates either “OFF” or “On” according to the current setting. Press the [MENU] Key. The setting value (OFF/On) flashes and becomes changeable.



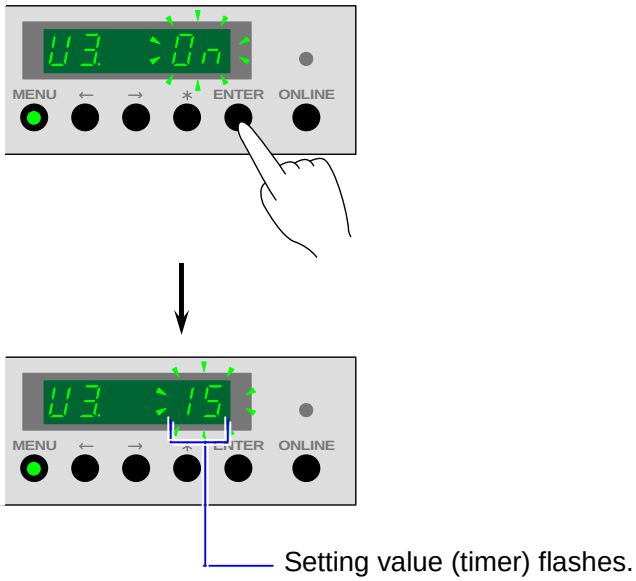
3. Select either “OFF” or “On” pressing [←] Key and [→] Key..

Setting value	Description
0	Warm Sleep Mode works when a decided time has passed. (Timer can be set in the later procedure.)
1	Warm Sleep Mode does not work.

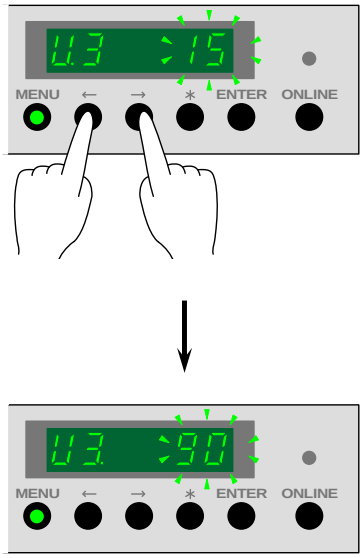


4. Press the [ENTER] Key to decide the setting.

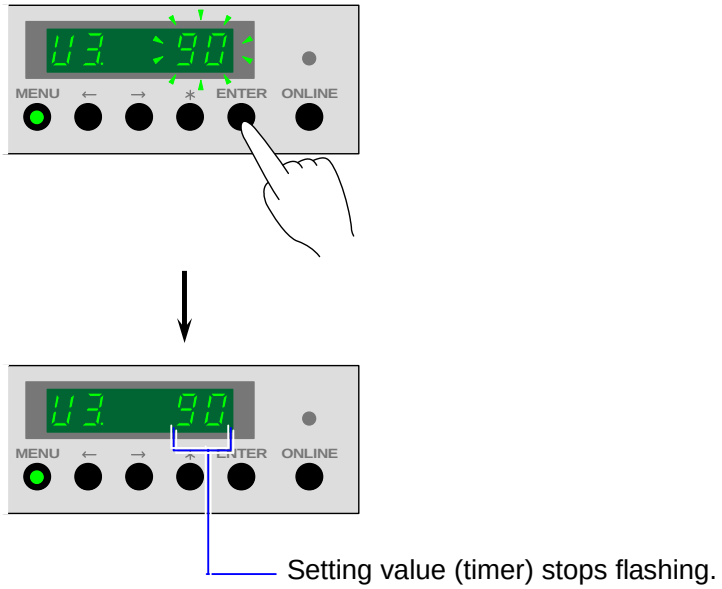
   - If “On“ is decided, the Status Display indicates the setting value of Warm Sleep timer in flashing. Go to the following procedure 5 for setting the timer.
   - If “OFF” is decided, go to the procedure 7 as it is unnecessary to set Warm Sleep timer.



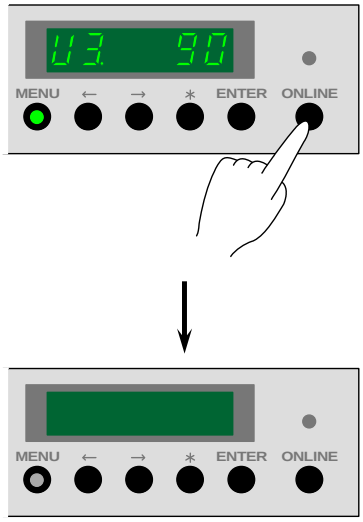
5. Indicate the necessary Warm Sleep timer value pressing [←] Key (increment) and [→] Key (decrement). Setting unit is “minute”, and the selectable values are 10, 15, 20, 30, 40, 50, 60, 90, 120, 180 and 240.



6. Press the [ENTER] Key to decide the timer value. The setting value stops flashing when decided.



7. Press the [ONLINE] Key to cancel the User Mode 3.



2. 8. 4 User Mode 4 (Cold Sleep Mode timer setting)

[Function]

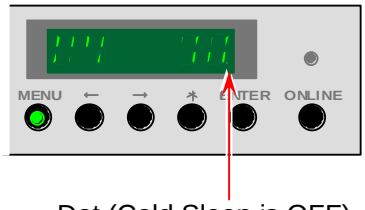
It is possible to set the Cold Sleep timer. If the KIP 9000 does not receive any print/copy for the time set as timer in User Mode 4, it will go into the Cold Sleep Mode to save the power consumption.

Reference

Cold Sleep Mode is a power saving mode that can save more power than Warm Sleep Mode. It works when the KIP9000 has not printed for the time the timer specifies. Power consumption is reduced greatly by completely shutting off supplying the power to the fuser unit. The Cold Sleep Mode will be cancelled automatically when a print job or a copy job is sent. However it may take time until the KIP9000 starts printing as it needs to recover the temperature of the fuser. (Printing does not start until the KIP9000 is ready) Note that the Cold Sleep Mode will require longer recovering time than Warm Sleep.

NOTE

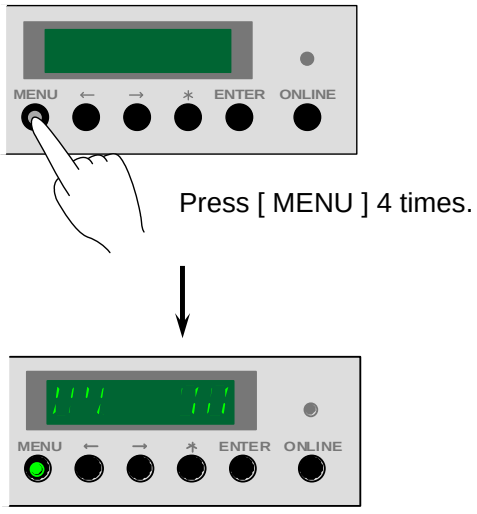
If the Cold Sleep does not start even if the time specified in User Mode 4 has passed, the Cold Sleep Mode may be set to OFF. If there is a dot beside the timer value, the Cold Sleep Mode is set to OFF (inactive). Call the service personnel to set it to ON. (User can not change this setting.)



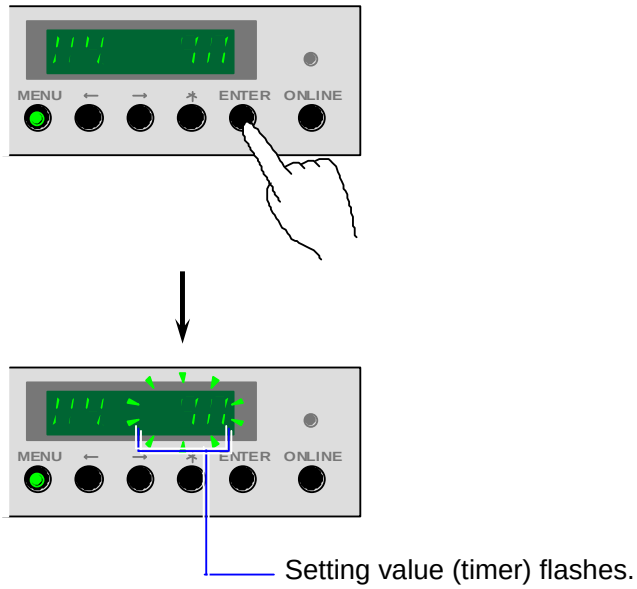
Dot (Cold Sleep is OFF)

[Operation]

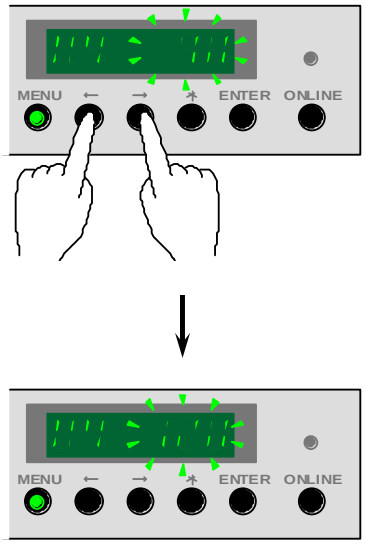
1. Press the [MENU] Key 4 times to select the User Mode 4. [MENU] Key lights green and the Status Display indicates “U4.”.



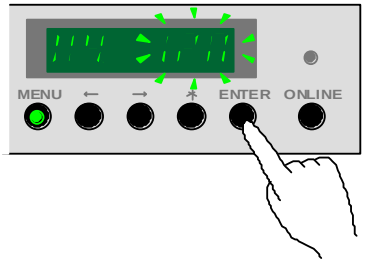
2. Press the [MENU] Key. The timer value for Cold Sleep flashes and becomes changeable.

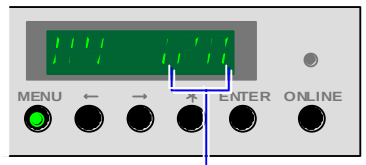


3. Indicate the necessary Cold Sleep timer value pressing [←] Key (increment) and [→] Key (decrement). Setting unit is “minute”, and the selectable values are 10, 15, 20, 30, 40, 50, 60, 90, 120, 180 and 240.



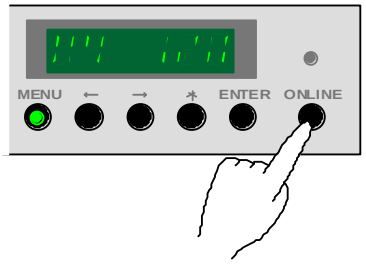
4. Press the [ENTER] Key to decide the timer value. The setting value stops flashing when decided.

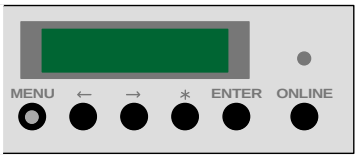




Setting value (timer) stops flashing.

5. Press the [ONLINE] Key to cancel the User Mode 4.





2. 8. 5 User Mode 5 (Automatic paper cut at power ON)

[Function]

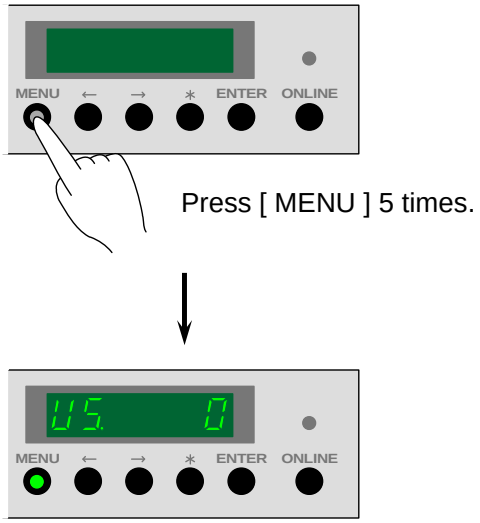
It is possible to make Initial Cut for all of 4 roll media whenever KIP9000 is turned on.

Reference

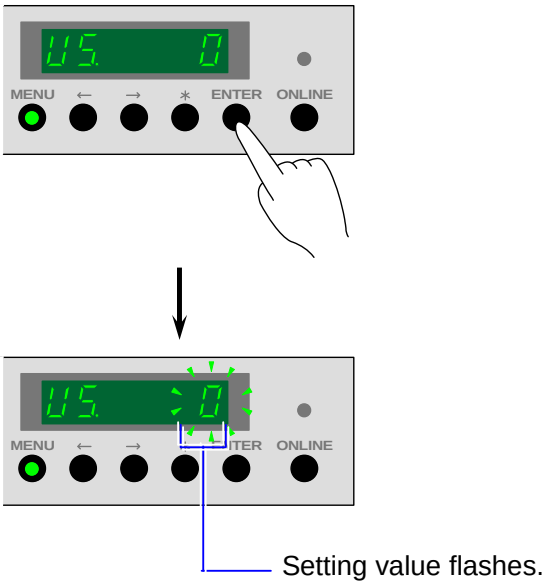
Initial Cut is a function to cut off the leading part of roll media in 240mm long.
Refer to [2.7 Initial Cut] on page 2-23 for more detail.

[Operation]

1. Press the [MENU] Key 5 times to select the User Mode 5. [MENU] Key lights green and the Status Display indicates “U5.”.

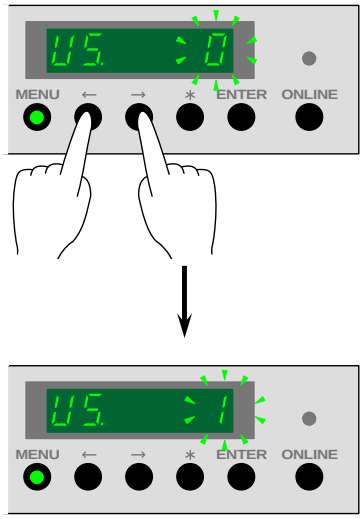


2. Press the [MENU] Key. The setting value flashes and becomes changeable.

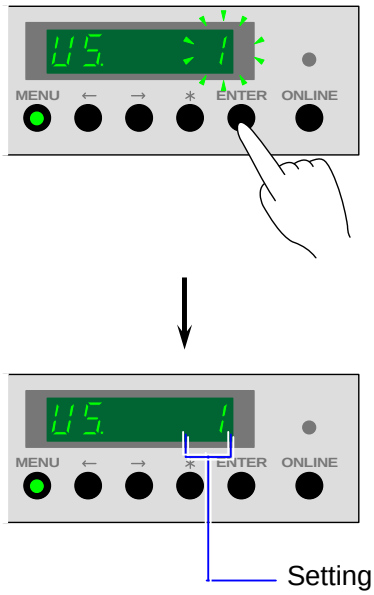


3. Change the setting value pressing [←] Key (increment) and [→] Key (decrement).

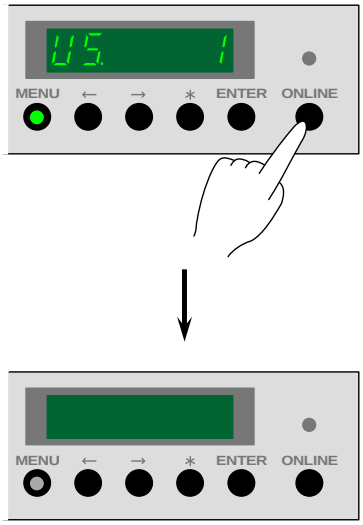
Setting value	Description
0	KIP 9000 performs the Initial Cut for all roll media at power ON.
1	KIP 9000 does not perform the Initial Cut at power ON.



4. Press the [ENTER] Key to decide the setting. The setting stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode 5.



2. 8. 6 User Mode 6 (Transfer Support LED ON/OFF [Film])

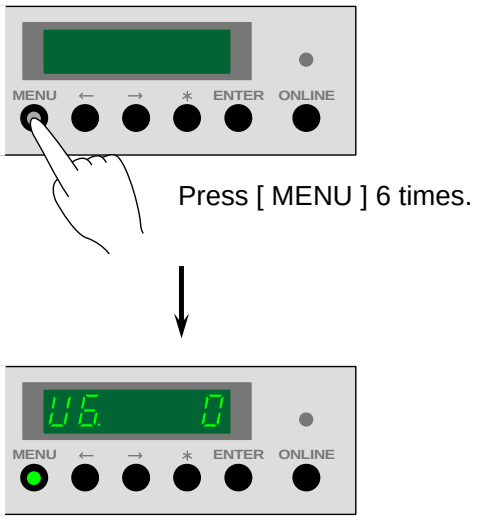
[Function]

It is possible to turn on the Transfer Support LED for getting a clearer and darker image on film media.

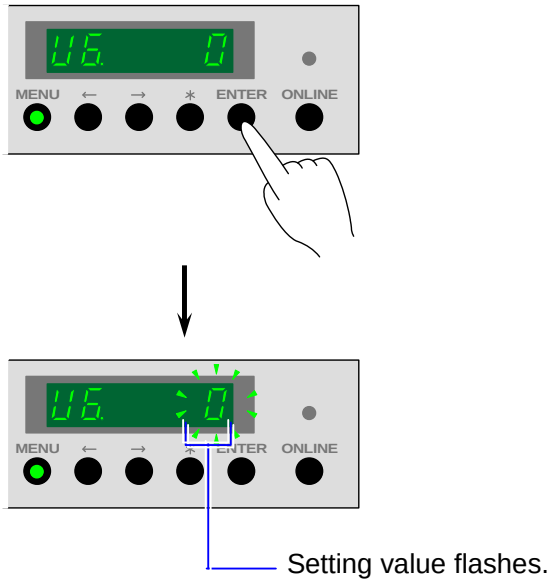
> **NOTE**
>
> The printed image may look not clear or not dark enough when printed with some kind of unsupported type of printing media. In such case the print image may possibly become clearer and darker if the Transfer Support LED is turned on in the User Mode 6. (However note that the Transfer Support LED is not always the complete solution for all cases.)

[Operation]

1. Press the [MENU] Key 6 times to select the User Mode 6. [MENU] Key lights green and the Status Display indicates “U6.”.

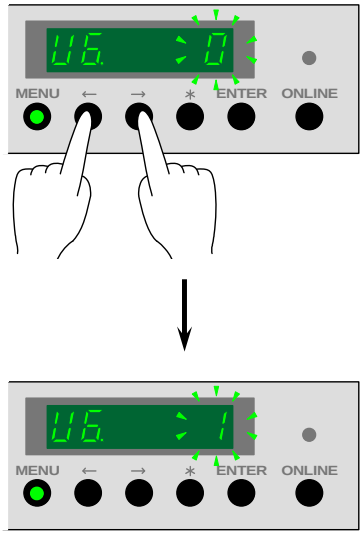


2. Press the [MENU] Key. The setting value flashes and becomes changeable.

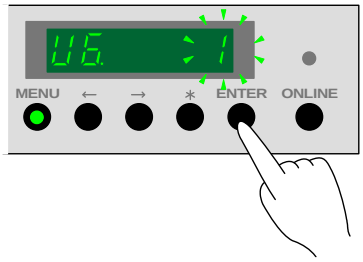


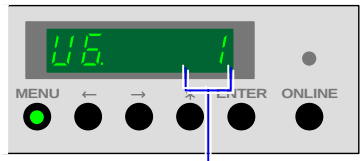
3. Change the setting value pressing [←] Key (increment) and [→] Key (decrement).

Setting value	Description
0	Transfer Support LED does not work.
1	Transfer Support LED works when printed with film.



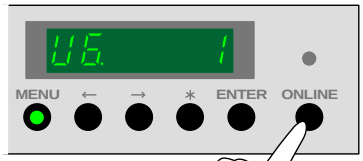
4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.

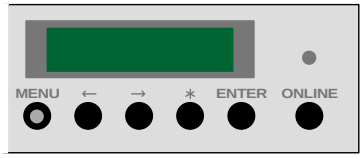




Setting value stops flashing.

5. Press the [ONLINE] Key to cancel the User Mode 6.





2. 8. 7 User Mode 7 (Alarm ON / OFF)

[Function]

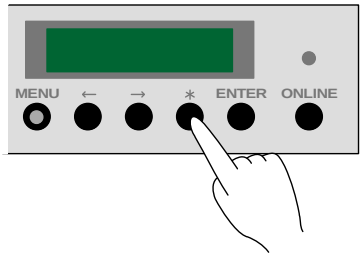
When alarm is set to ON, the following status can be noticed by the sound of alarm.

(1) Toner empty
(2) Toner near empty
(3) Roll empty

Reference

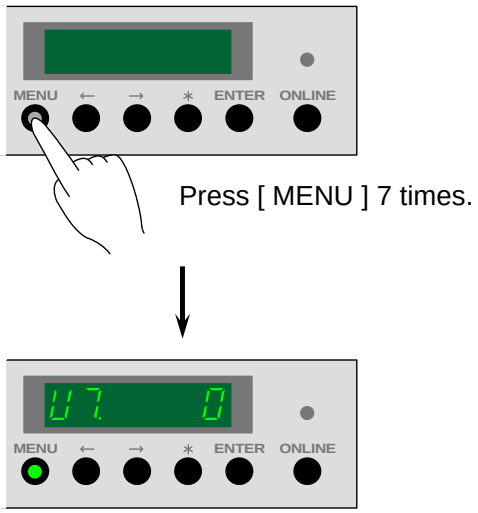
Alarm will continue to sound if unless either of the following operations is done.

1. Remove the cause of error. (Replace the Toner Cartridge or install a new roll media.)
2. Or press the [✳] Key to stop the alarm without removing the cause of error.

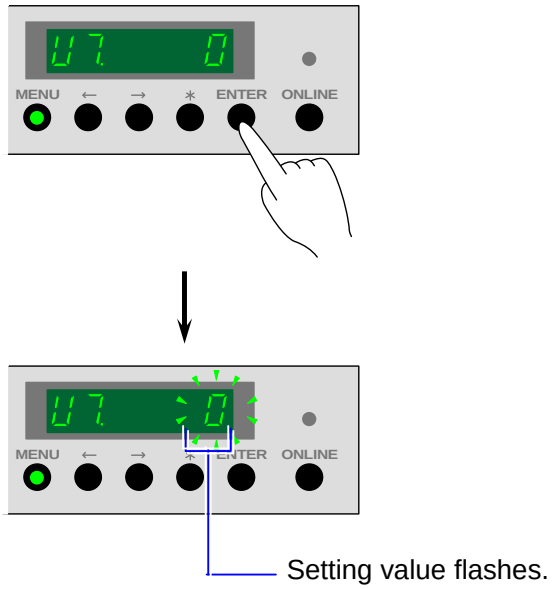


[Operation]

1. Press the [MENU] Key 7 times to select the User Mode 7. [MENU] Key lights green and the Status Display indicates “U7.”.

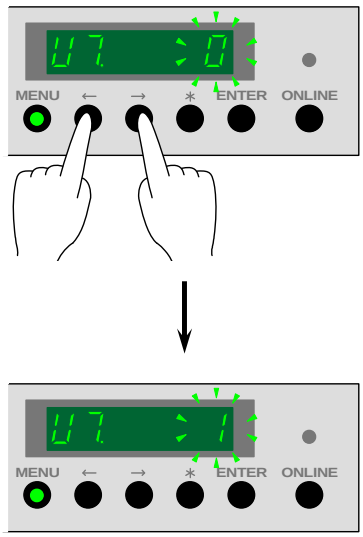


2. Press the [MENU] Key. The setting value flashes and becomes changeable.

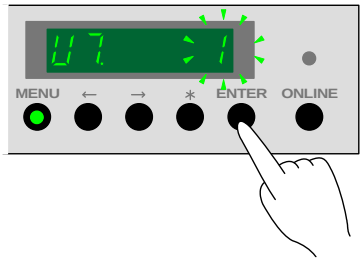


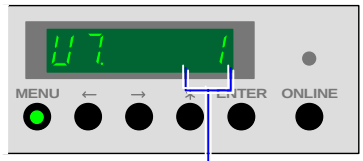
3. Change the setting value pressing [←] Key (increment) and [→] Key (decrement).

Setting value	Description
0	Alarm does not sound.
1	Alarm sounds if “toner empty”, “toner near empty” or “roll empty” occurs.



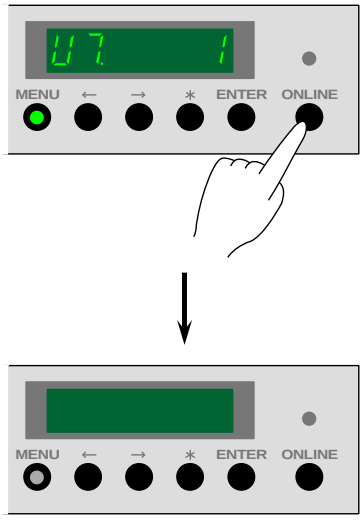
4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.





Setting value stops flashing.

5. Press the [ONLINE] Key to cancel the User Mode 7.



2.8.8 User Mode 8 (Choice of Standard / Special Print Mode [Plain paper])

[Function]

The operation mode of KIP9000 can be set to either Standard Print Mode or Special Print Mode according to the situation. **This setting become effective when printed with a plain paper.**

Reference

Many printer parameters of KIP9000 are adjusted most properly in the factory so that the KIP9000 can produce a satisfactory print quality when printing is performed within what the machine specification declares. These parameters adjusted in factory will be applied when the operation mode is set to Standard Mode. Usually the Standard Print Mode is enough for getting a satisfactory print result.

If some usage condition is not within what the machine specification declares, for example some unsupported media is used or the temperature/humidity range is not within specified range, KIP9000 may not be able to produce a satisfactory print result. In such case the service personnel customize some printer parameters most properly so that a satisfactory print result can be obtained even in such special case, and save such parameters as Special Print Mode. (User can not change such parameters.)

What the user has to do in the User Mode 8 is to switch between Standard Print Mode and Special Print Mode according to the situation. Please consult the service personnel as he knows in what case the operation mode should be set to Special Print Mode.

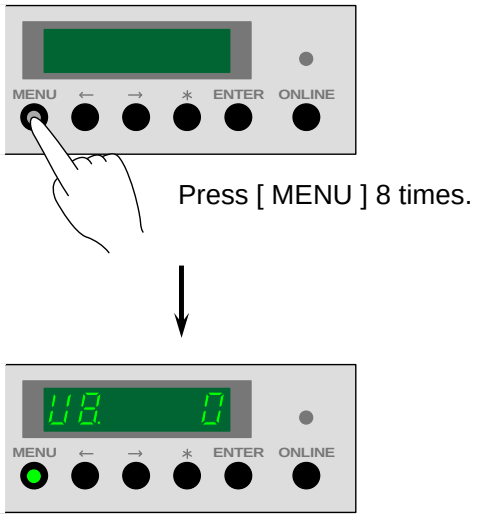
⚠ NOTE

User Modes 8, 9 and A are the selection mode of Standard Print Mode and Special Print Mode. Each of them has its own target media type to which the selected operation mode is applied.

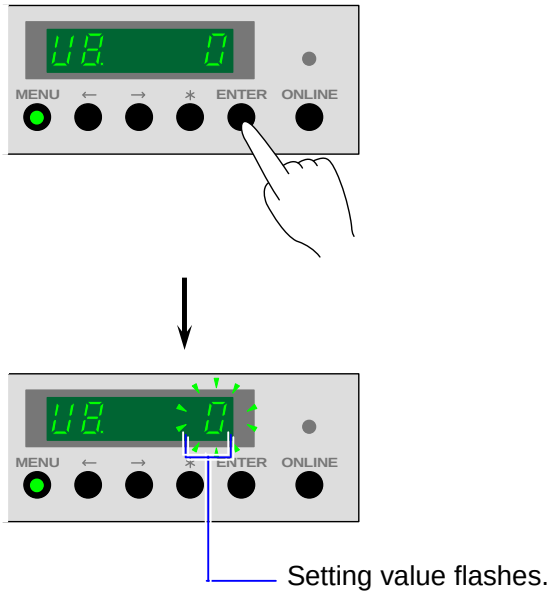
User Mode 8 : Selection of operation mode for plain paper
User Mode 9 : Selection of operation mode for tracing paper
User Mode A : Selection of operation mode for film

[Operation]

1. Press the [MENU] Key 8 times to select the User Mode 8. [MENU] Key lights green and the Status Display indicates “U8.”.

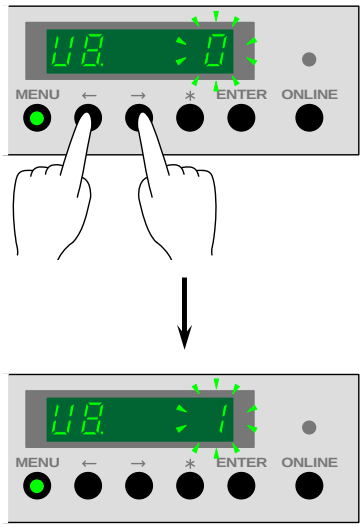


2. Press the [MENU] Key. The setting value flashes and becomes changeable.

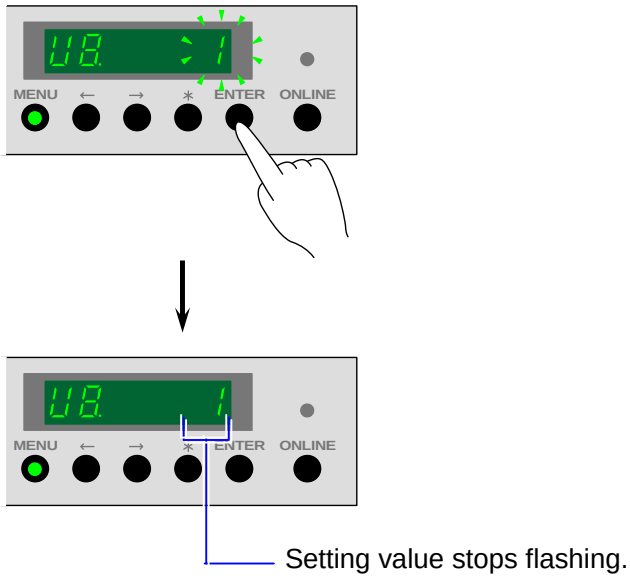


3. Change the setting value pressing [←] Key (increment) and [→] Key (decrement).

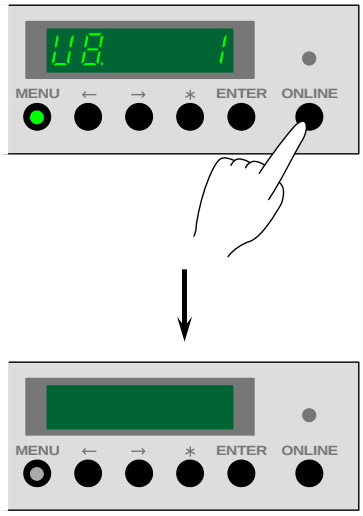
Setting value	Description
0	Standard Print Mode is applied in printing. (When plain paper is used.)
1	Special Print Mode is applied in printing. (When plain paper is used.)



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode 8.



2. 8. 9 User Mode 9 (Choice of Standard / Special Print Mode [Tracing paper])

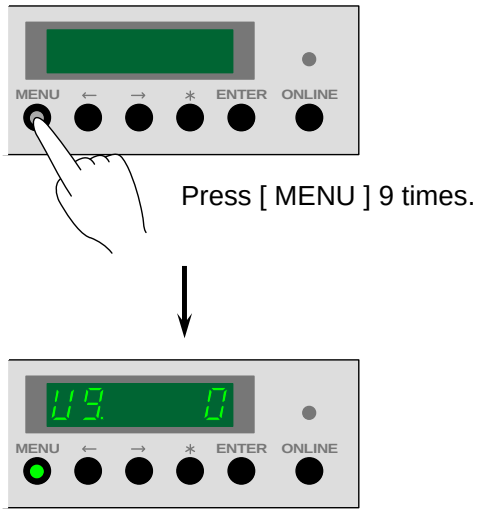
[Function]

The operation mode of KIP9000 can be set to either Standard Print Mode or Special Print Mode according to the situation. **This setting become effective when printed with a tracing paper.** See [REFERENCE] on page 2-49 for the description of this mode.

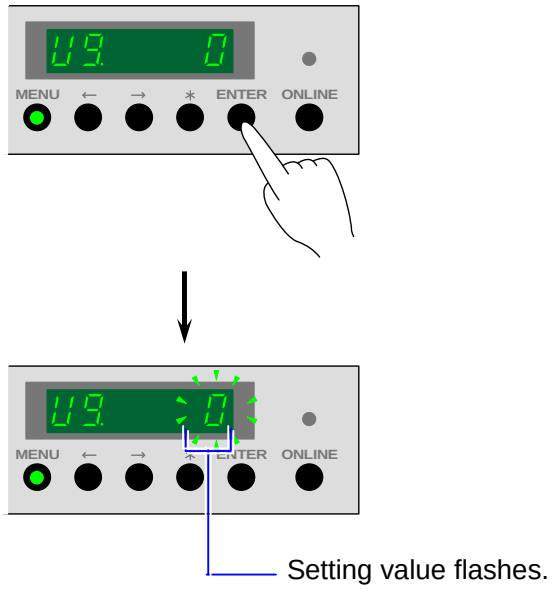
> **NOTE**
>
> User Modes 8, 9 and A are the selection mode of Standard Print Mode and Special Print Mode. Each of them has its own target media type to which the selected operation mode is applied.
>
> User Mode 8 : Selection of operation mode for plain paper
> User Mode 9 : Selection of operation mode for tracing paper
> User Mode A : Selection of operation mode for film

[Operation]

1. Press the [MENU] Key 9 times to select the User Mode 9. [MENU] Key lights green and the Status Display indicates “U9.”.

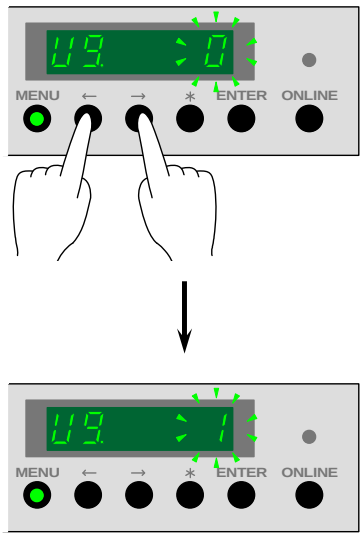


2. Press the [MENU] Key. The setting value flashes and becomes changeable.

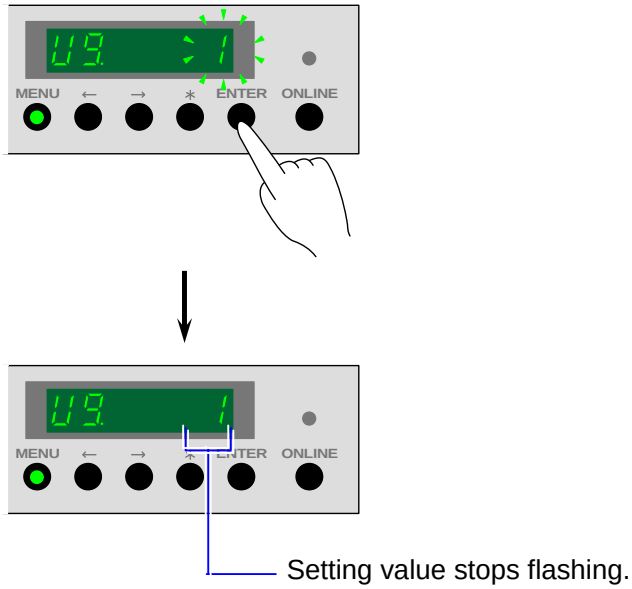


3. Change the setting value pressing [←] Key (increment) and [→] Key (decrement).

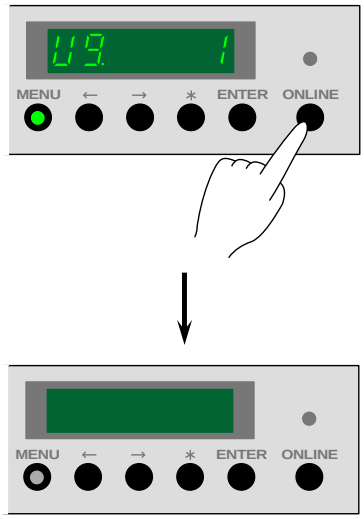
Setting value	Description
0	Standard Print Mode is applied in printing. (When tracing paper is used.)
1	Special Print Mode is applied in printing. (When tracing paper is used.)



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode 9.



2. 8.10 User Mode A (Choice of Standard / Special Print Mode [Film])

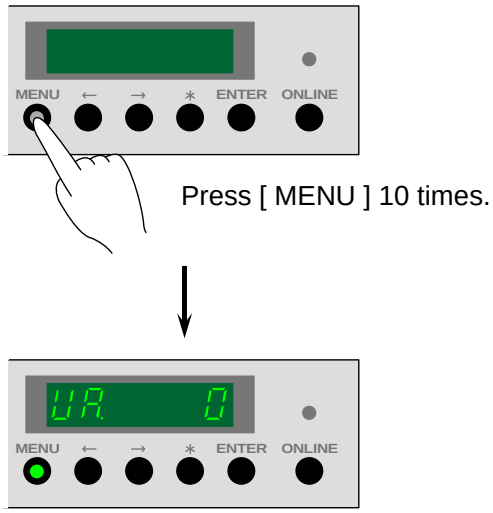
[Function]

The operation mode of KIP9000 can be set to either Standard Print Mode or Special Print Mode according to the situation. **This setting become effective when printed with a film.**
See [REFERENCE] on page 2-49 for the description of this mode.

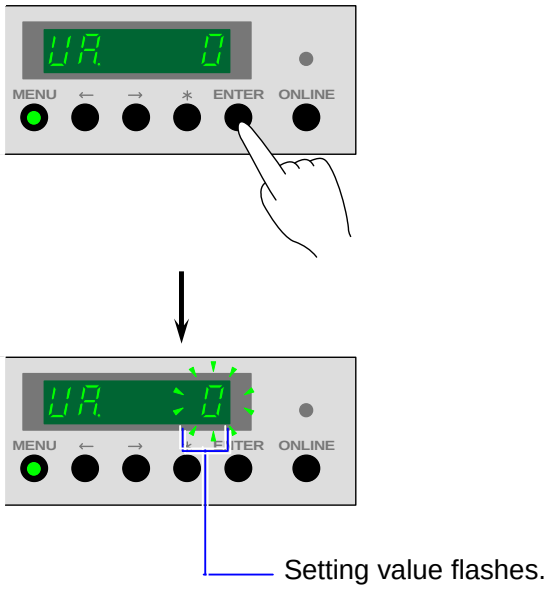
> **NOTE**
>
> User Modes 8, 9 and A are the selection mode of Standard Print Mode and Special Print Mode. Each of them has its own target media type to which the selected operation mode is applied.
>
> User Mode 8 : Selection of operation mode for plain paper
> User Mode 9 : Selection of operation mode for tracing paper
> User Mode A : Selection of operation mode for film

[Operation]

1. Press the [MENU] Key 10 times to select the User Mode A. [MENU] Key lights green and the Status Display indicates “UA.”.

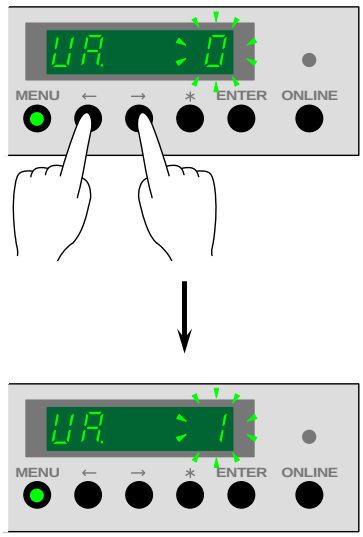


2. Press the [MENU] Key. The setting value flashes and becomes changeable.

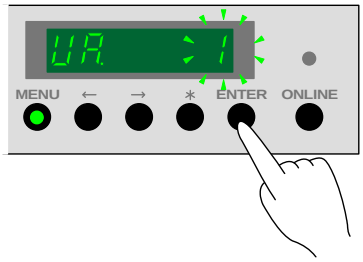


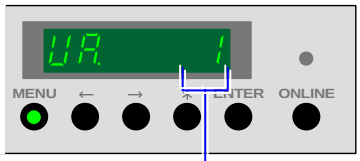
3. Change the setting value pressing [←] Key (increment) and [→] Key (decrement).

Setting value	Description
0	Standard Print Mode is applied in printing. (When film is used.)
1	Special Print Mode is applied in printing. (When film is used.)



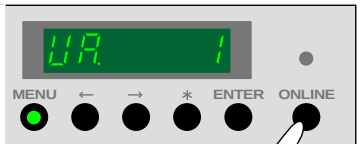
4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.

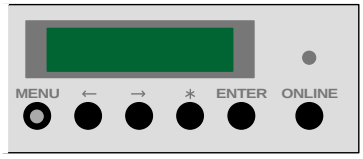




Setting value stops flashing.

5. Press the [ONLINE] Key to cancel the User Mode A.





2. 8.11 User Mode B (Selection of Image Enhancement Mode)

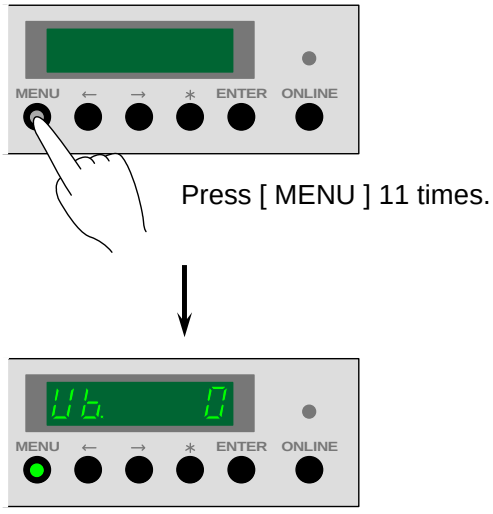
[Function]

The level of Image Enhancement can be selected. The printed image is more enhanced (become darker) when selecting a larger level. Try to select a higher level if the image looks weak.

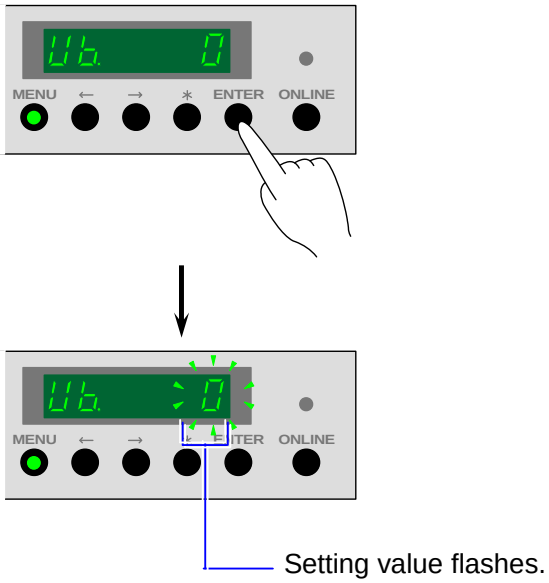
Setting	Image Enhancement Mode	Description
0	Mode 0	Image Enhancement is Off
1	Mode 1	Image is enhanced - Low
2	Mode 2	Image is enhanced - Medium
3	Mode 3	Image is enhanced - High

[Operation]

1. Press the [MENU] Key 11 times to select the User Mode B. [MENU] Key lights green and the Status Display indicates “Ub.”.

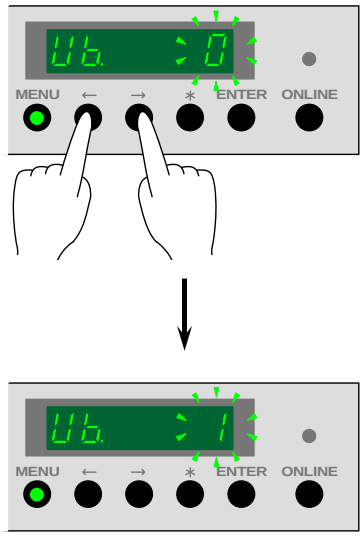


2. Press the [MENU] Key. The setting value flashes and becomes changeable.

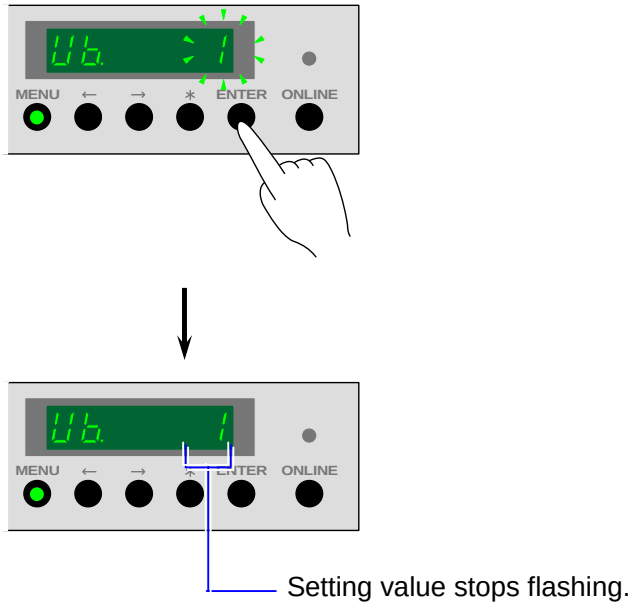


3. Change the setting value pressing [←] Key (increment) and [→] Key (decrement).

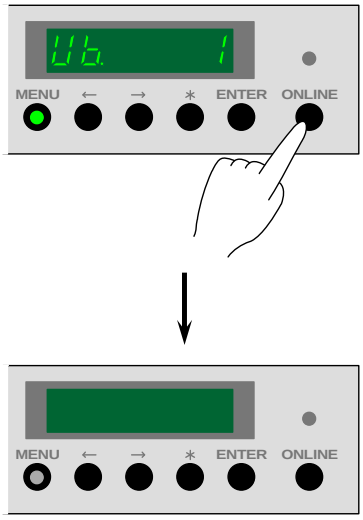
Setting	Image Enhancement Mode	Description
0	Mode 0	Image Enhancement is Off
1	Mode 1	Image is enhanced - Low
2	Mode 2	Image is enhanced - Medium
3	Mode 3	Image is enhanced - High



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



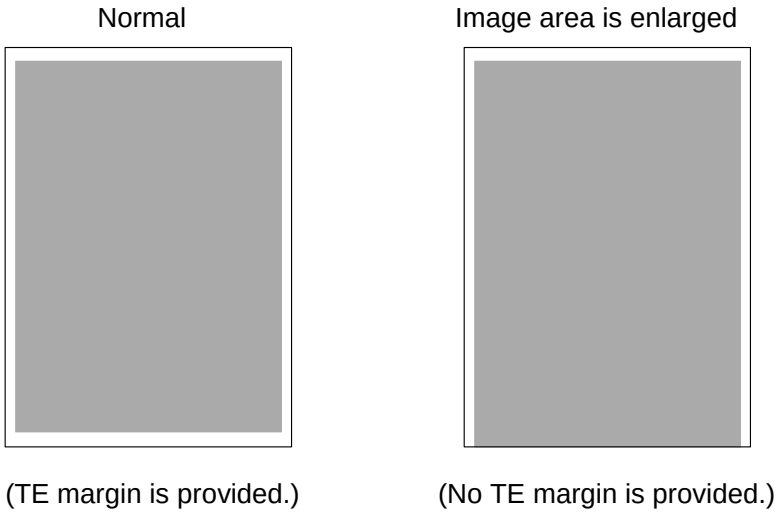
5. Press the [ONLINE] Key to cancel the User Mode B.



2. 8.12 User Mode C (Print on TE margin area)

[Function]

User Mode C allows to print the image in the TE margin area (no TE margin is provided).



The following 3 settings are selectable.

Setting value	Selected setting	Description
0	Normal setting	Does not allow for printing on TE margin area. (Default)
1	TE Margin Print Mode 1	Allows for printing on TE margin area. A longer interval is kept between prints for cleaning.
2	TE Margin Print Mode 2	Allows for printing on TE margin area. Normal interval is kept between prints.

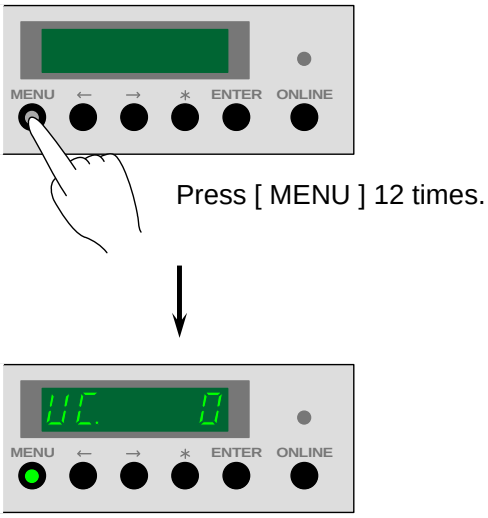
NOTE

When a continuous printing “without TE margin” is performed, sometimes the image on the former print may be very weakly printed on the next print as “ghost image”.

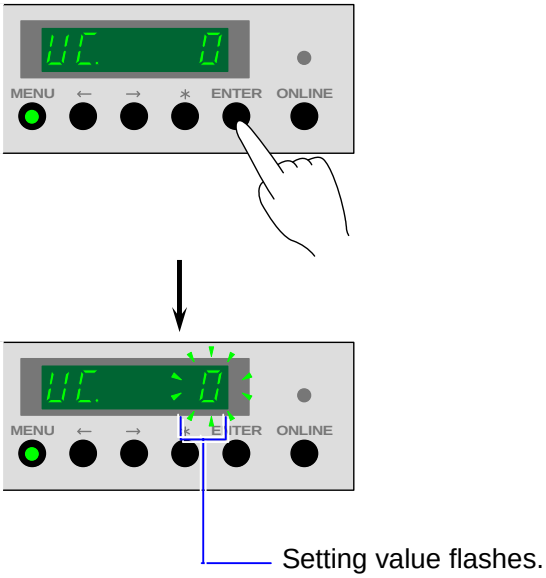
- The Margin Print mode 1 has a special cleaning process between prints to get rid of this ghost image. Therefore the interval between prints becomes longer than usual so the print productivity is reduced, but a better image quality can be expected. (Recommended setting)
- The Margin Print Mode 2 does not have the cleaning process. Therefore the print productivity is the same as usual, but the prints may have ghost image. (Not recommended setting)

[Operation]

1. Press the [MENU] Key 12 times to select the User Mode C. [MENU] Key lights green and the Status Display indicates “UC.”.

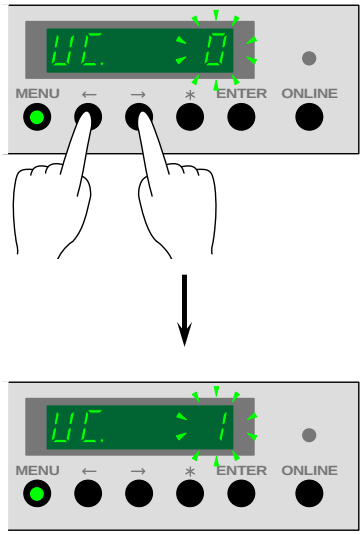


2. Press the [MENU] Key. The setting value flashes and becomes changeable.

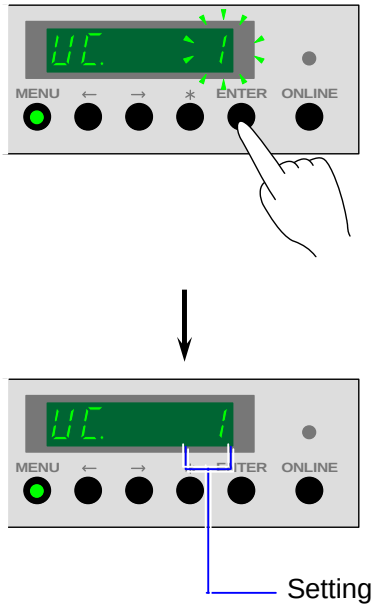


3. Change the setting value pressing [←] Key (increment) and [→] Key (decrement).

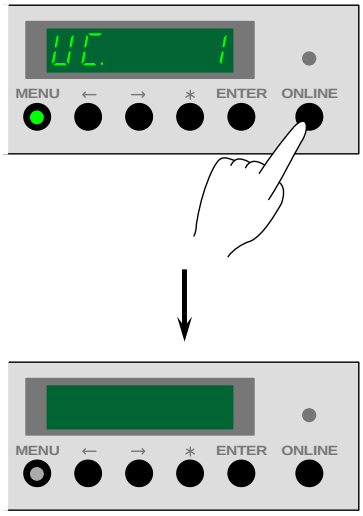
Setting value	Selected setting	Description
0	Normal setting	Does not allow for printing on TE margin area. (Default)
1	TE Margin Print Mode 1	Allows for printing on TE margin area. A longer interval is kept between prints for cleaning.
2	TE Margin Print Mode 2	Allows for printing on TE margin area. Normal interval is kept between prints.



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode C.



2. 8.13 User Mode D (Cancel E-26 error)

[Function]

It is possible to specify the error check level for the Call Service Error E-26.

Reference

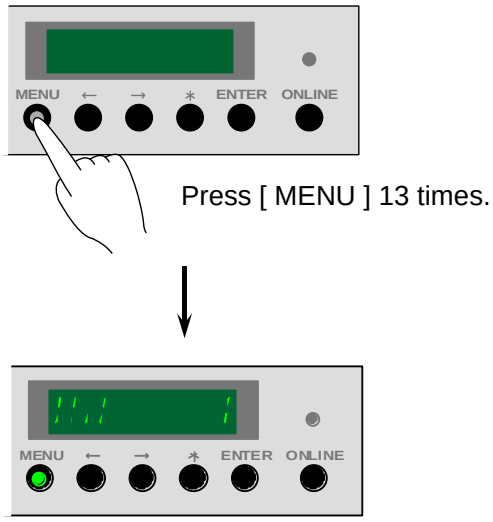
The image quality varies according to the variation of temperature of surrounding environment. To achieve a constant image quality in any environment, some printing parameters are adjusted in real time according to the temperature condition. If the real time adjustment can not work for some reason, a service call error E-26 is indicated and printing stops.

The error can be temporarily cleared in the User Mode D by easing the error check level, and you will be able to continue printing.

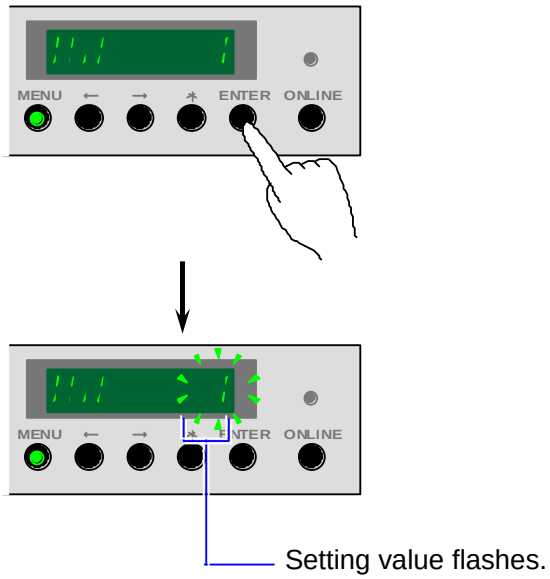
When you will clear the error by the User Mode D, note that;

- Image quality may not be satisfactory as the real time adjustment does not work.
- There may be some case that the error can not be cleared even if you ease the error check level. Call the service personnel immediately in this case.
- The User Mode D does not remove the real cause of error. Therefore call the service personnel as soon as possible although the KIP9000 seems to be working fine.

1. Press the [MENU] Key 13 times to select the User Mode D. [MENU] Key lights green and the Status Display indicates “Ud.”.

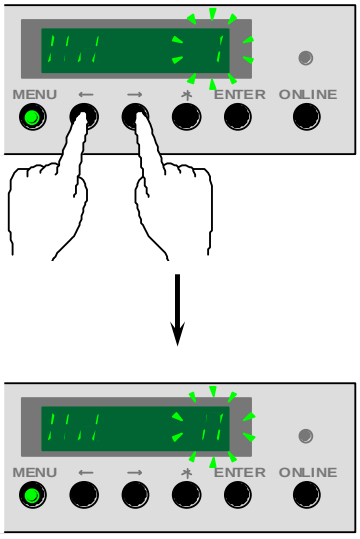


2. Press the [MENU] Key. The setting value flashes and becomes changeable.

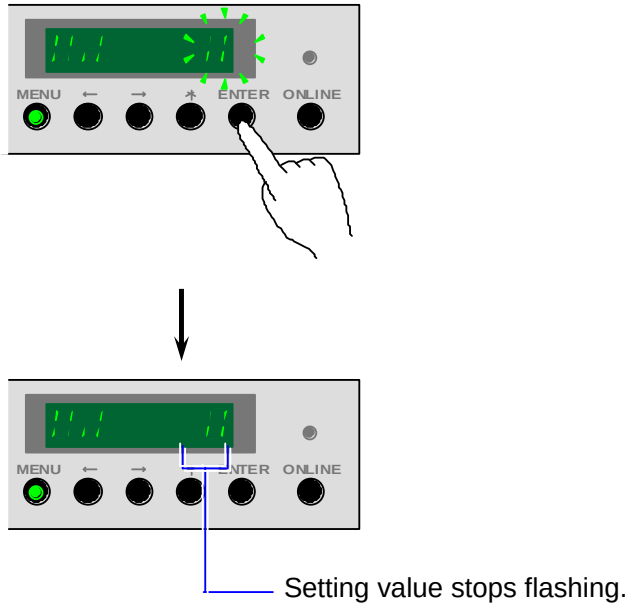


3. Change the setting value pressing [←] Key (increment) and [→] Key (decrement).

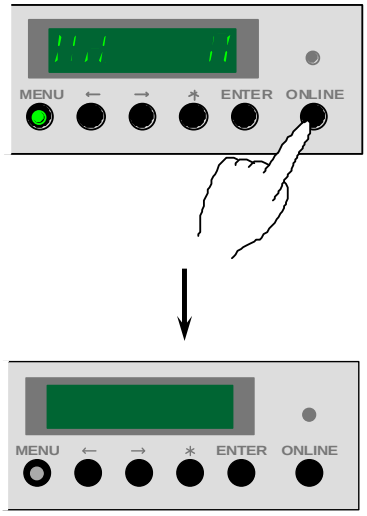
Setting value	Description
0	KIP9000 does not make error checking for E-26. (OFF)
1	KIP9000 makes error checking for E-26. (ON)



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode D.



2. 8.14 User Mode E (Cancel E-28 error)

It is possible to specify the error check level for the Service Call error E-28.

Reference

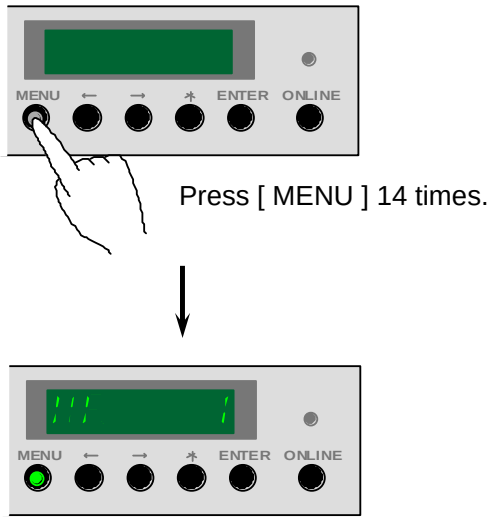
The image quality varies according to the variation of temperature of surrounding environment. To achieve a constant image quality in any environment, some printing parameters are adjusted in real time according to the temperature condition. If the real time adjustment can not work for some reason, a service call error E-28 is indicated and printing stops.

The error can be temporarily cleared in the User Mode E by easing the error check level, and you will be able to continue printing.

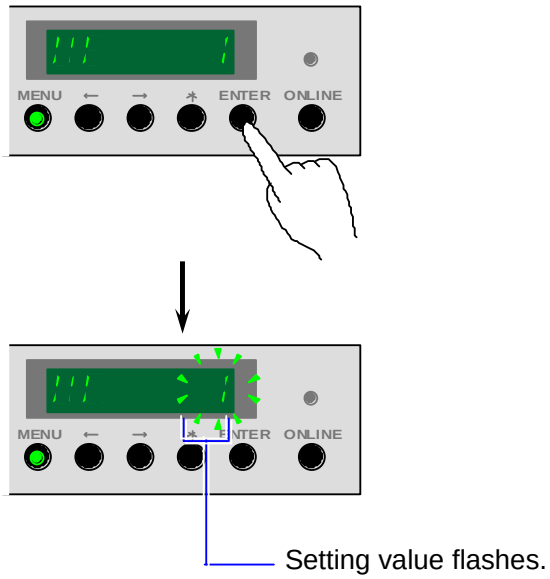
When you will clear the error by the User Mode E, note that;

- Image quality may not be satisfactory as the real time adjustment does not work.
- There may be some case that the error can not be cleared even if you ease the error check level. Call the service personnel immediately in this case.
- The User Mode E does not remove the real cause of error. Therefore call the service personnel as soon as possible although the KIP9000 seems to be working fine.

1. Press the [MENU] Key 14 times to select the User Mode E. [MENU] Key lights green and the Status Display indicates “UE.”.

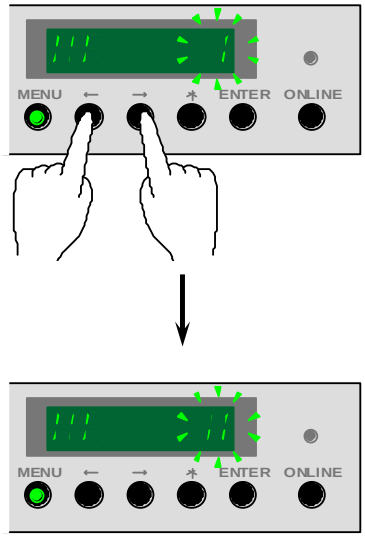


2. Press the [MENU] Key. The setting value flashes and becomes changeable.

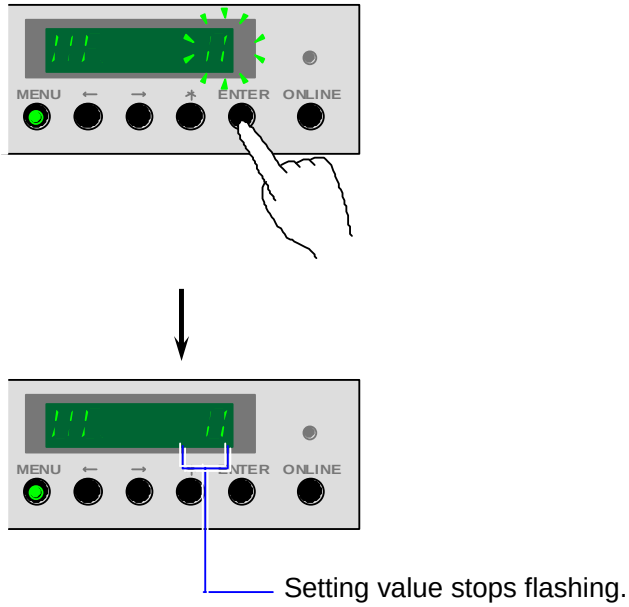


3. Change the setting value pressing [←] Key (increment) and [→] Key (decrement).

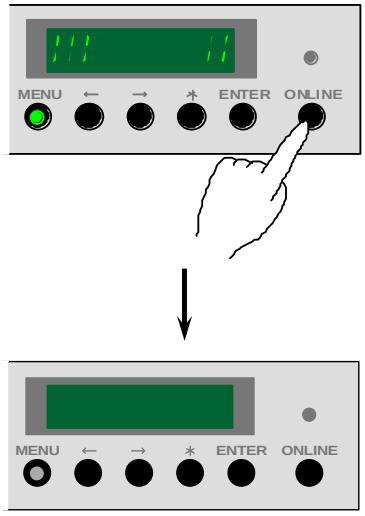
Setting value	Description
0	KIP9000 does not make error checking for E-28. (OFF)
1	KIP9000 error checking for E-28 with a normal check level. (ON1)
2	KIP9000 error checking for E-28 with a high check level. (ON2)



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the User Mode D.



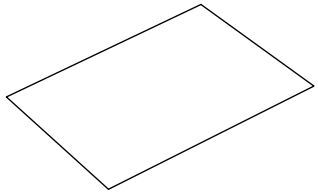
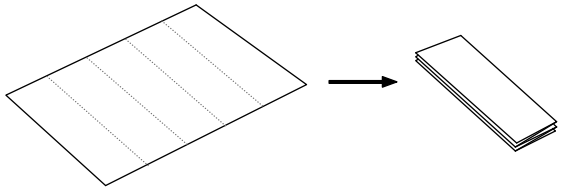
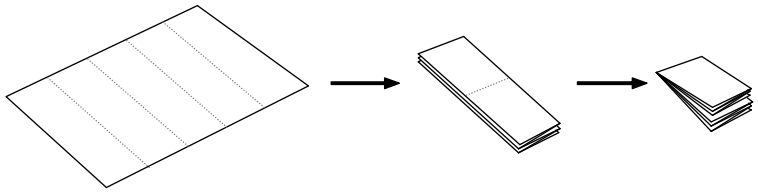
2. 8.15 User Mode F0 to Fb (Fold settings applied when Folder is Connected - not used in North America)

[Function]

4 fold programs can be selected on the Image Scanner if KIP9000 is connected with the Bay Folder and KIP Image Scanner. User Modes F0 to Fb can specify the “fold type”, “width of fan folding” and “margin” for each of these 4 fold programs.

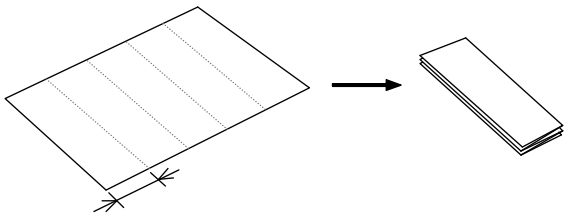
(1) Fold type

The following 3 fold types are selectable.

Setting value	Fold type	
00	Not folded	
01	Fan folding	
02	Fan folding & cross folding	

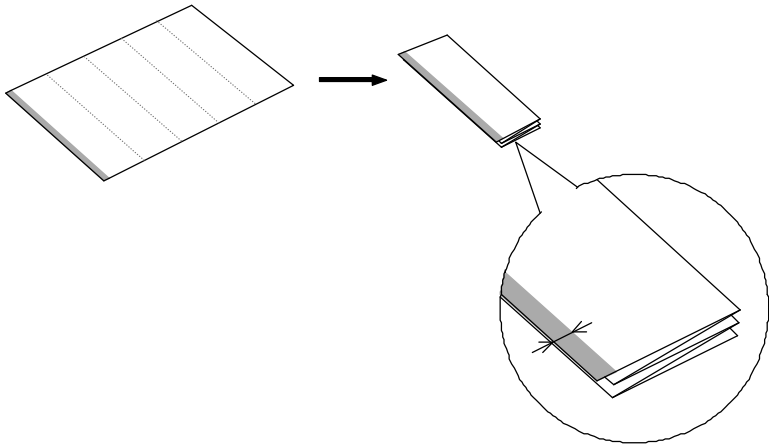
(2) Width of fan folding

Width of fan folding can be increased or decreased in 1mm increment.
The adjustable range is from 180 to 210mm.



(3) Margin

It is possible to change the margin in 1mm increment, which is provided to the last fold in fan folding. The adjustable range is from 0 to 30mm.



12 User Modes from F0 to Fb have their own setting target respectively as follows.

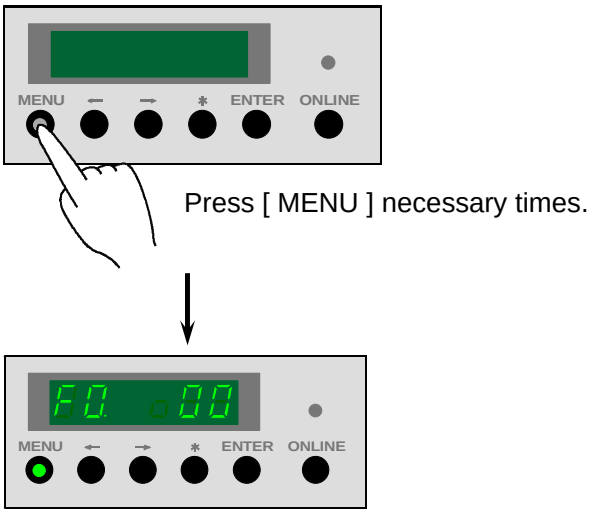
User Mode	Setting matter	Applied to ; (Selected on the scanner)
F0	Fold type	Folding method 1
F1	Width of fan folding	
F2	Margin	
F3	Fold type	Folding method 2
F4	Width of fan folding	
F5	Margin	
F6	Fold type	Folding method 3
F7	Width of fan folding	
F8	Margin	
F9	Fold type	Folding method 4
FA	Width of fan folding	
Fb	Margin	

[Operation]

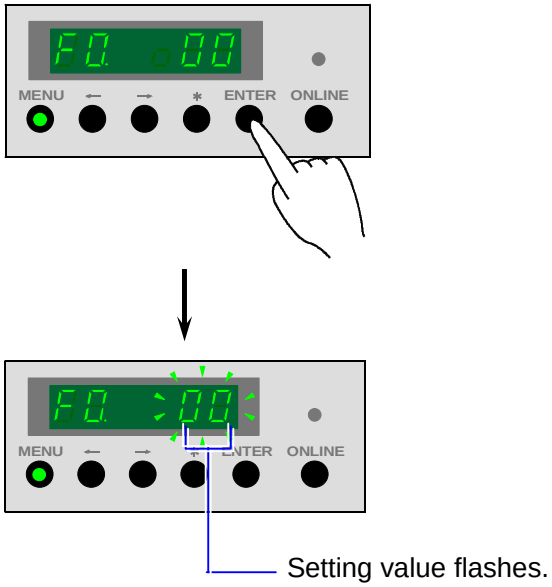
1. Select your required User Mode Code (F0 to Fb) pressing the [MENU] Key.

User Mode (Code)	Setting matter	Applied to ; (Selected on the scanner)
F0	Fold type	Folding method 1
F1	Width of fan folding	
F2	Margin	
F3	Fold type	Folding method 2
F4	Width of fan folding	
F5	Margin	
F6	Fold type	Folding method 3
F7	Width of fan folding	
F8	Margin	
F9	Fold type	Folding method 4
FA	Width of fan folding	
Fb	Margin	

[MENU] Key lights green and the Status Display indicates “FX.”.

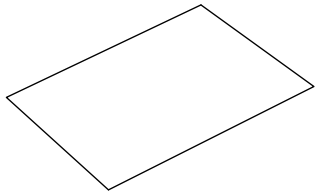
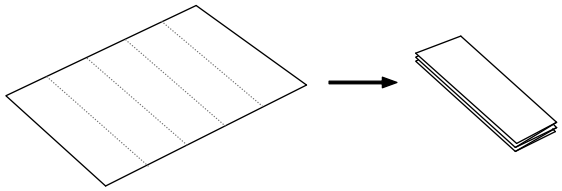
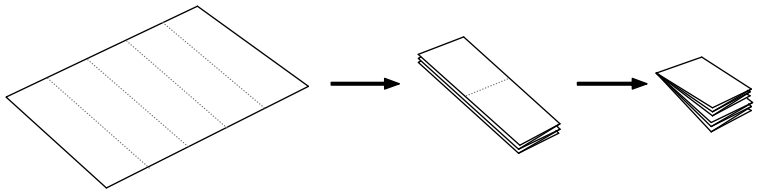


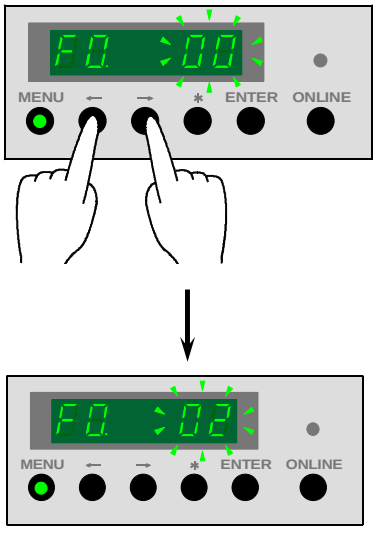
2. The Status Display indicates any setting value according to the selected User Mode. Press the [MENU] Key. The setting value flashes and becomes changeable.



3. Change the setting value pressing [←] Key (increment) and [→] Key (decrement). Selectable setting values depend on the User Mode you selected.

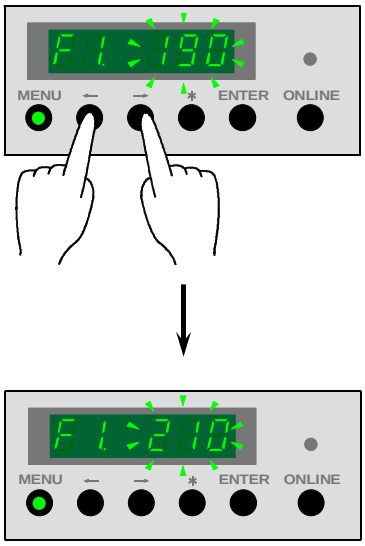
(a) In case you change the “fold type” (User Mode Code F0, F3, F6 & F9), select any of “00”, “01” and “02”.

Setting value	Fold type	
00	Not folded	
01	Fan folding	
02	Fan folding & cross folding	



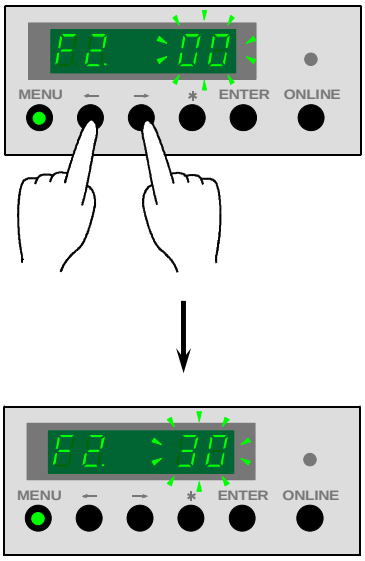
(b) In case you change the “width of fan folding” (F1, F4, F7 & FA), change the value depending on the following adjustable range and increment step.

Adjustable range	Increment step
180 to 210mm	1mm

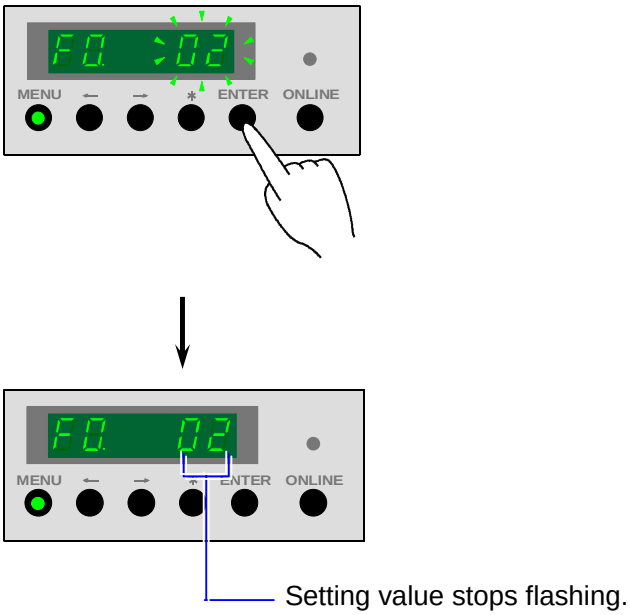


(c) In case you change the “margin” (F2, F5, F8 & Fb), change the value depending on the following adjustable range and increment step.

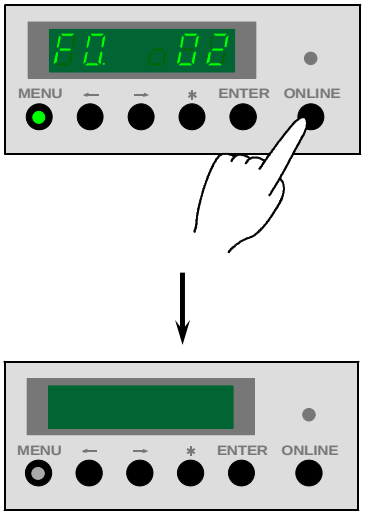
Adjustable range	Increment step
00 to 30mm	1mm



4. Press the [ENTER] Key to decide the setting value. The setting value stops flashing when decided.



5. Press the [ONLINE] Key to cancel the selected User Mode.



Reference

The following settings are specified to each folding method respectively.

Folding method	Fold type	Width of fan folding	margin
Folding method 1	02 (fan fold & cross fold)	190mm	0mm
Folding method 2	02 (fan fold & cross fold)	210mm	20mm
Folding method 3	02 (fan fold & cross fold)	210mm	0mm
Folding method 4	02 (fan fold & cross fold)	210mm	0mm

Chapter 3

Error Correction and Maintenance

Page

3. 1 Media Mis-feed Errors 3- 2
3. 1. 1 Mis-feed in Roll Decks (J-01, J-02, J-03 & J-04) 3- 3
3. 1. 2 Mis-feed in the Bypass Feeder (J-05) 3- 6
3. 1. 3 Mis-feed between Cutter and Drum (J-11) 3- 7
3. 1. 4 Mis-feed on Internal Transportation Unit (J-12) and Fuser Entrance (J-13) 3-11
3. 1. 5 Mis-feed in Fuser Unit (J-14) 3-18
3. 1. 6 Mis-feed in Folder (J-21) 3-25
3. 1. 7 Mis-feed in Auto Stacker (J-22) 3-25

3. 2 Open Errors 3-26
3. 2. 1 Top Drawer Open (U-01) 3-26
3. 2. 2 Middle Drawer Open (U-02) 3-26
3. 2. 3 Bottom Drawer Open (U-03) 3-27
3. 2. 4 Internal Transportation Unit Open (U-04) 3-27
3. 2. 5 Toner Cover Open (U-06) 3-27
3. 2. 6 Bypass Feeder Open (U-11) 3-28
3. 2. 7 Right Side Door Open (U-12) 3-28
3. 2. 8 Top Rear Cover Open (U-13) 3-28
3. 2. 9 Exit Cover Open (U-14) 3-29
3. 2.10 Folder Door Open (U-21) 3-29

3. 3 Toner Cartridge Error (C-01) 3-30

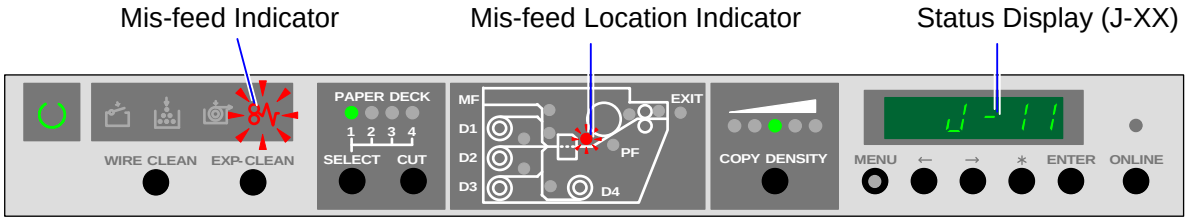
3. 4 Service Call Errors 3-31

3. 5 Interruption of Print by Temperature Control 3-32

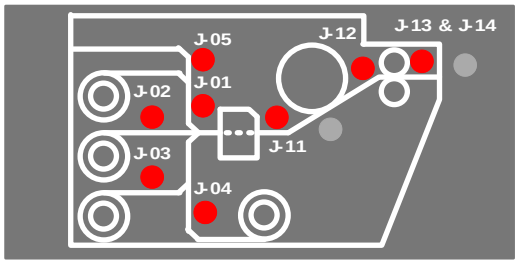
3. 6 Maintenance 3-33
3. 6. 1 Cleaning the Image Corona 3-33
3. 6. 2 Cleaning the LED Head 3-34

3. 1 Media Mis-feed Errors

If a media mis-feed occurs anywhere in KIP9000, the Mis-feed Indicator on the Operation Panel lights red to notice the error. The Mis-feed Location Indicator illuminates any LED in red and the Status Display indicates any mis-feed code as “J-XX” to notice the location of mis-fed media.



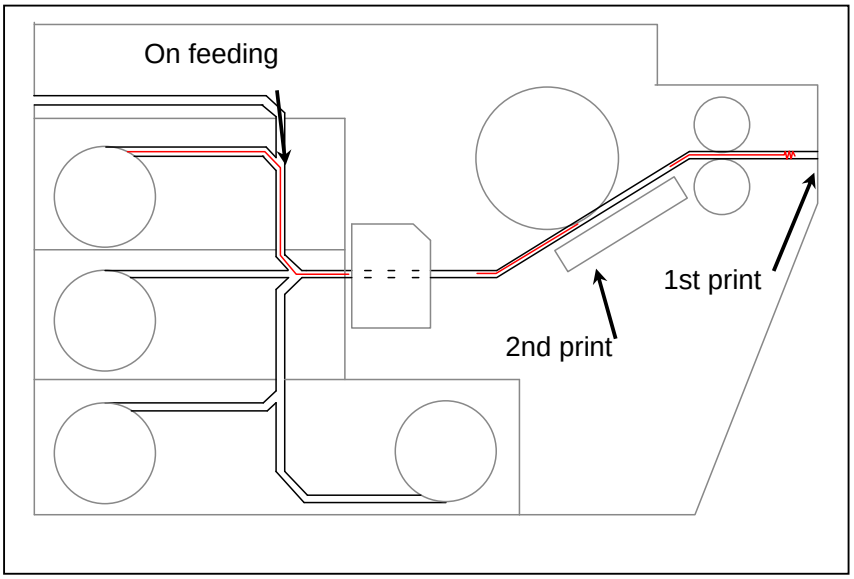
Indication LEDs and mis-feed codes are corresponded as follows.
Please refer to the page shown in the list as for the way to clear each mis-feed.



Mis-feed code	Location of mis-feed	Refer to page ;
J-01	Roll 1	3-3
J-02	Roll 2	3-3
J-03	Roll 3	3-3
J-04	Roll 4	3-3
J-05	Bypass Feeder	3-6
J-11	Between Cutter and Drum	3-7
J-12	Internal Transportation Unit	3-11
J-13	Fuser Entrance	3-11
J-14	In Fuser Unit	3-18

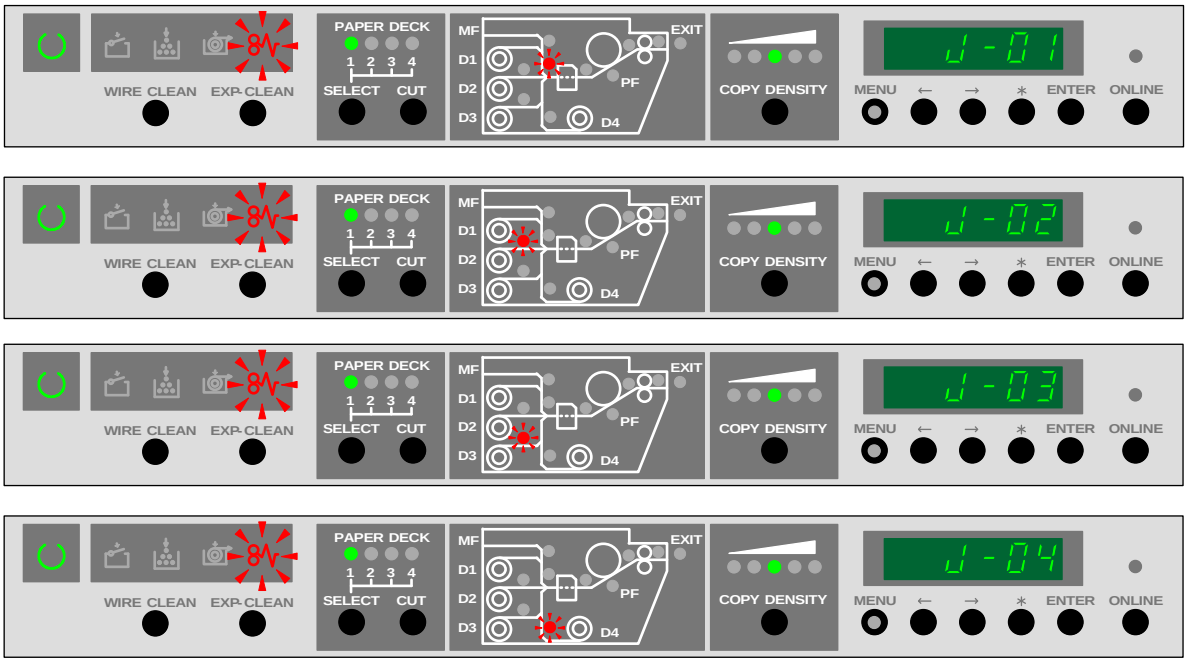
NOTE

Some sheets of media may be mis-fed simultaneously inside of KIP9000 if mis-feed occurs during continuous printing. Check the Operation Panel after removing one mis-feed media as another mis-feed code may be indicated.



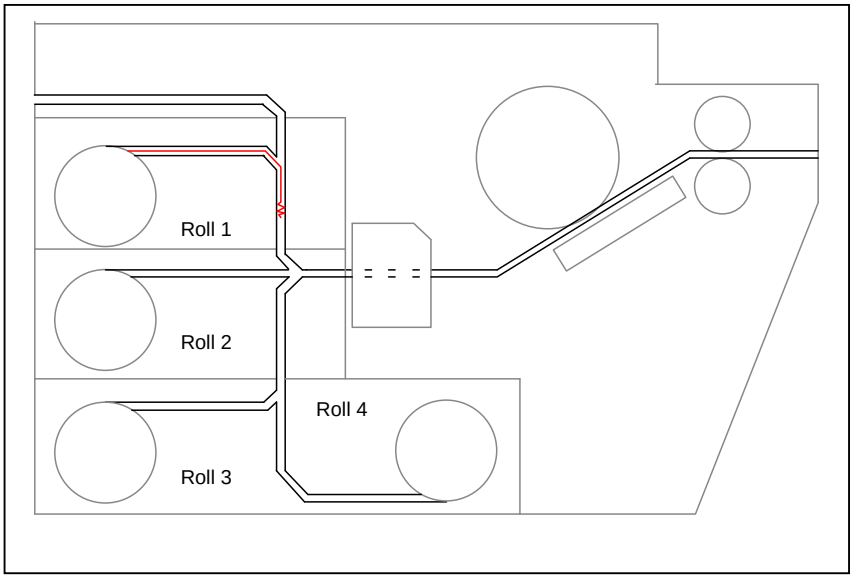
3. 1. 1 Mis-feed in Roll Decks (J-01, J-02, J-03 & J-04)

Any of J-01, J-02, J-03 and J-04 is indicated when the media is mis-fed in the media path of Roll Decks.



Mis-feed code	Location of mis-feed
J-01	Roll 1
J-02	Roll 2
J-03	Roll 3
J-04	Roll 4

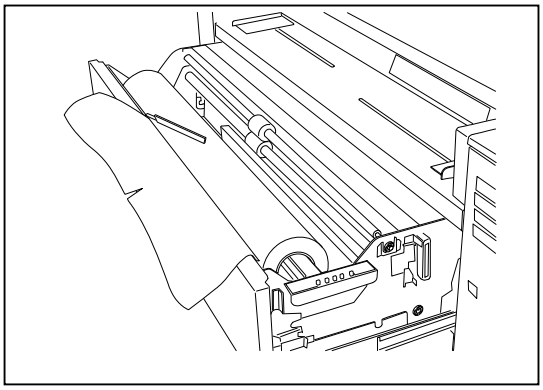
Example : “J-01” is indicated when the media is mis-fed in the Roll 1.



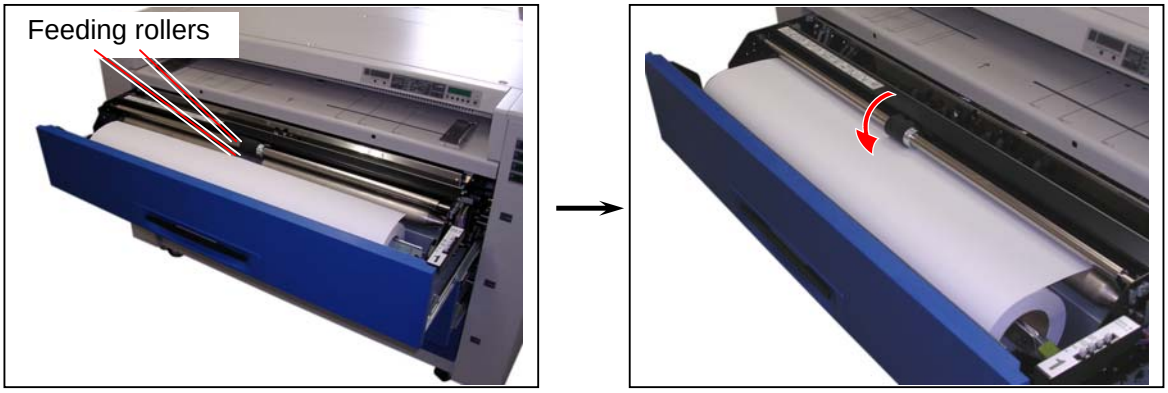
1. Draw out the concerning Roll Deck.

2. Rewind the roll media to release the leading edge from feeding rollers.

3. Cut off the leading edge with a cuter knife if it is so damaged. If damaged part is not cut off, it will cause the mis-feed again.

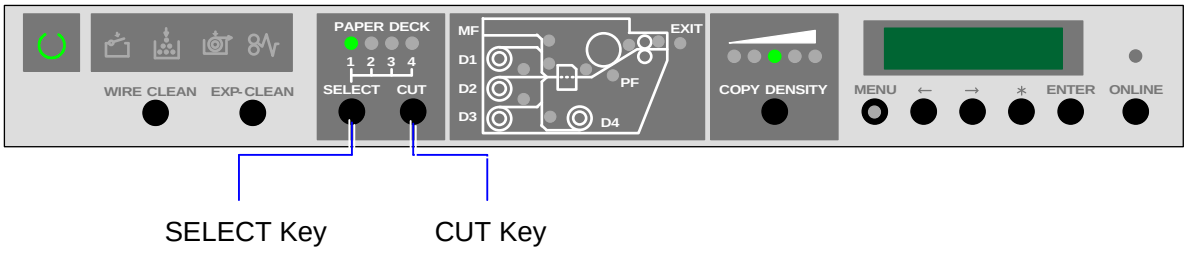


4. Insert the leading edge of media between feeding rollers, and rotate the upper feeding roller to pinch the leading edge (1-2cm) with the rollers.



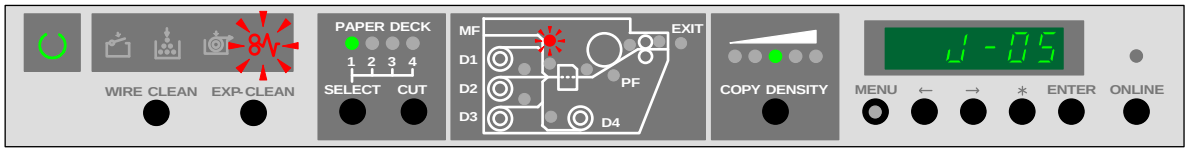
5. Close the Roll Deck.

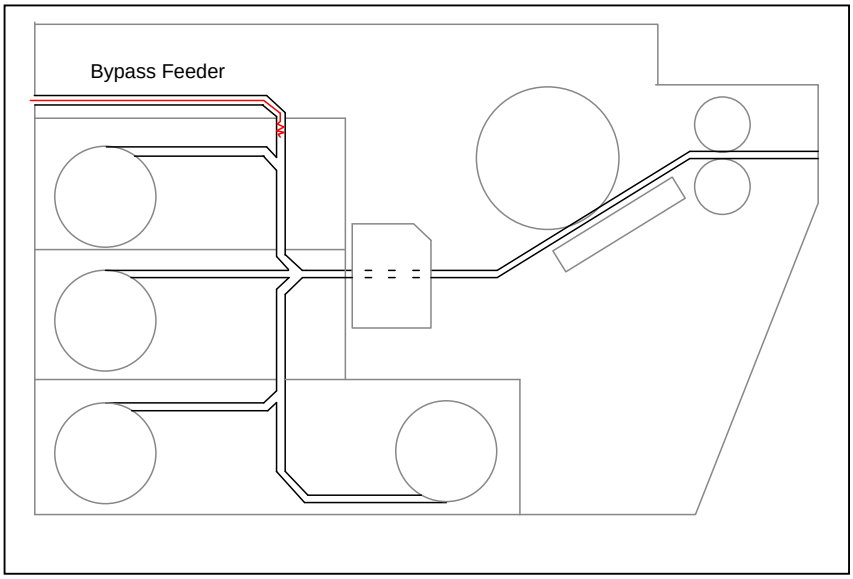
6. Select the concerning Roll pressing the SELECT Key, and press the CUT Key to take Initial Cut.



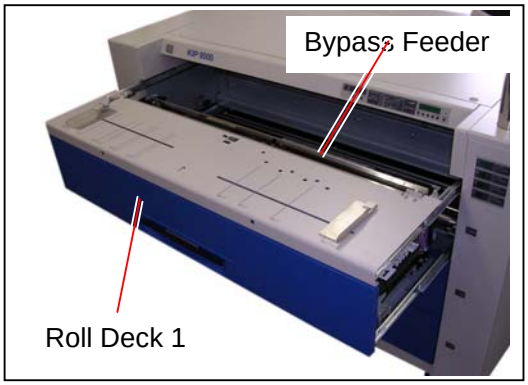
3. 1. 2 Mis-feed in the Bypass Feeder (J-05)

J-05 is indicated when the media is mis-fed in the Bypass Feeder.





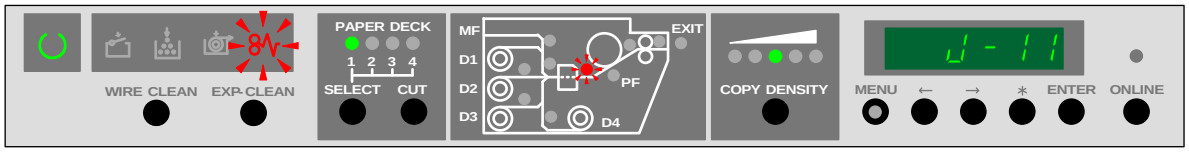
1. Draw out both the Bypass Feeder and the Roll Deck 1. Remove the mis-feed media which can be seen inside.

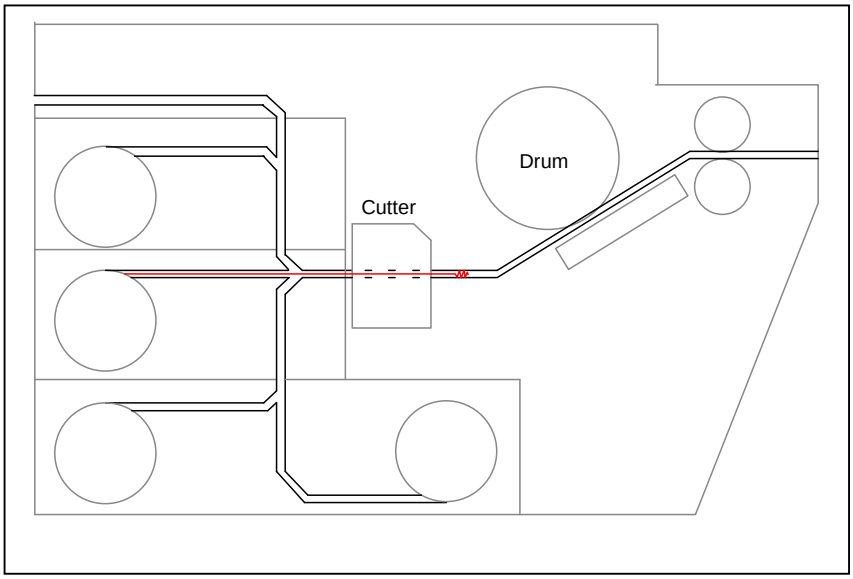


2. Close both the Bypass Feeder and the Roll Deck 1.

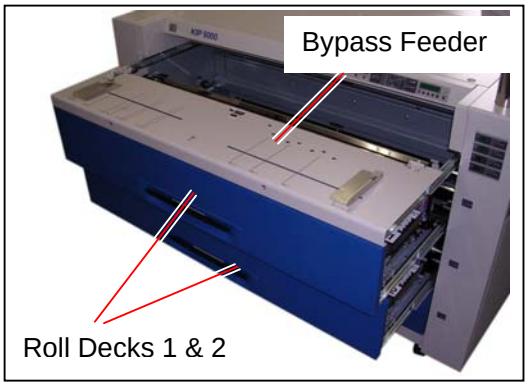
3. 1. 3 Mis-feed between Cutter and Drum (J-11)

J-11 is indicated when the media is mis-fed between Cutter and Drum,





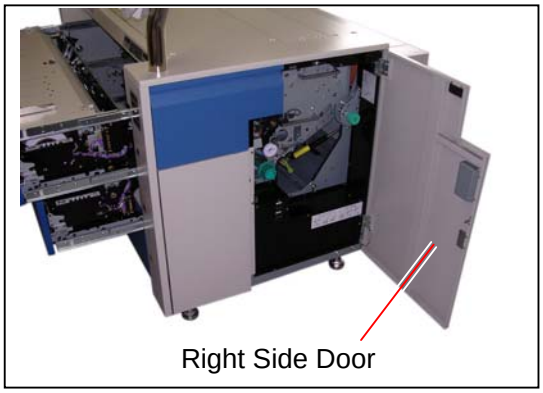
1. Draw out the Bypass Feeder, Roll Decks 1 and 2.



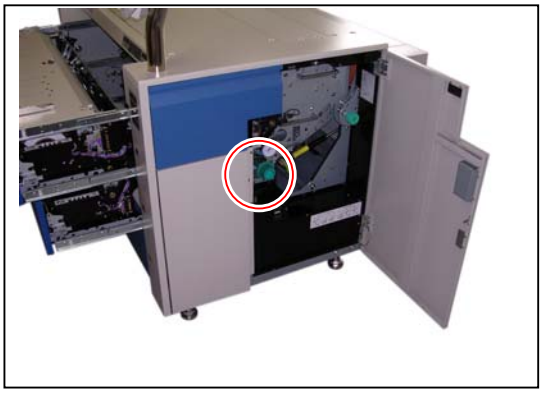
2. The mis-fed media can be seen inside. Check if it is already cut or not.

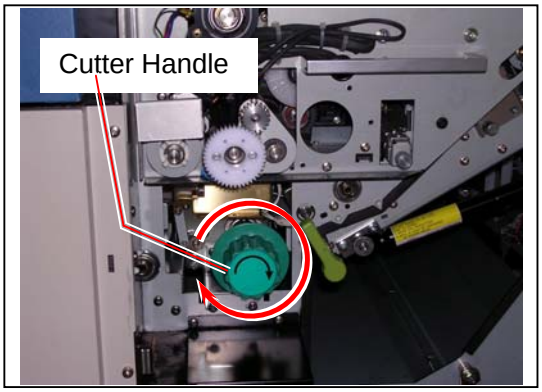
   - If already cut, remove it and go to the procedure 6.
   - If not cut yet, go to the next procedure 3 for cutting it.

3. Open the Right Side Door.



4. Rotate the Cutter Handle for 1 revolution clockwise to cut the roll media.



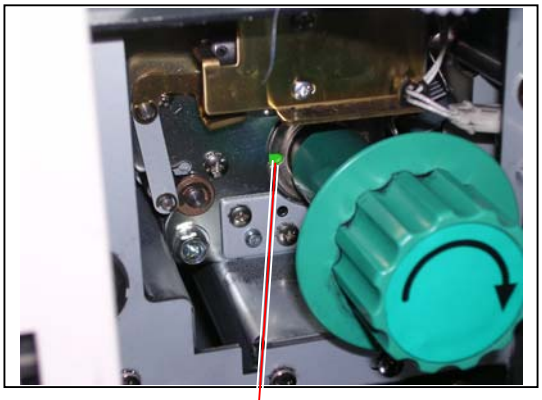


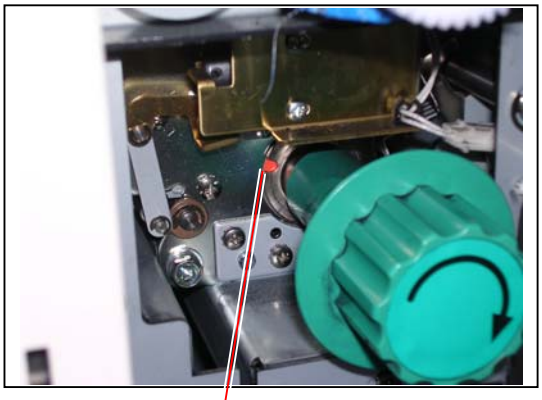
NOTE

The Cutter Blade needs to be placed at its home position correctly after the above operation. After cutting the media rotating the Cutter Handle, place the green part inside of the notch. If red part is seen in the notch, the Cutter Blade is not correctly placed to its home position.

And at this time take care for the following points.

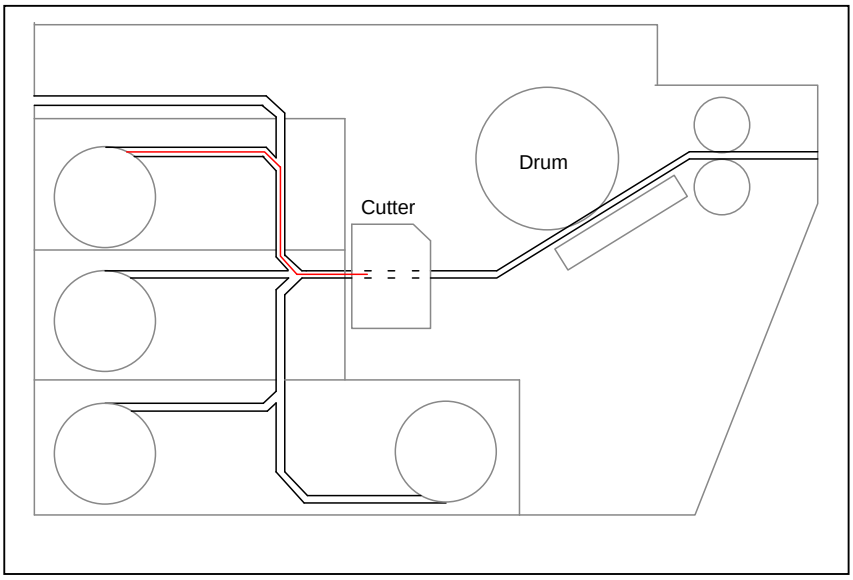
- Do not rotate the Cutter Handle counter-clockwise. It will damage the Cutter Blade.
- Do not rotate the Cutter Handle more than once. If it is rotated many times, very small paper portion will be left in the cutter unit. This will cause the error.

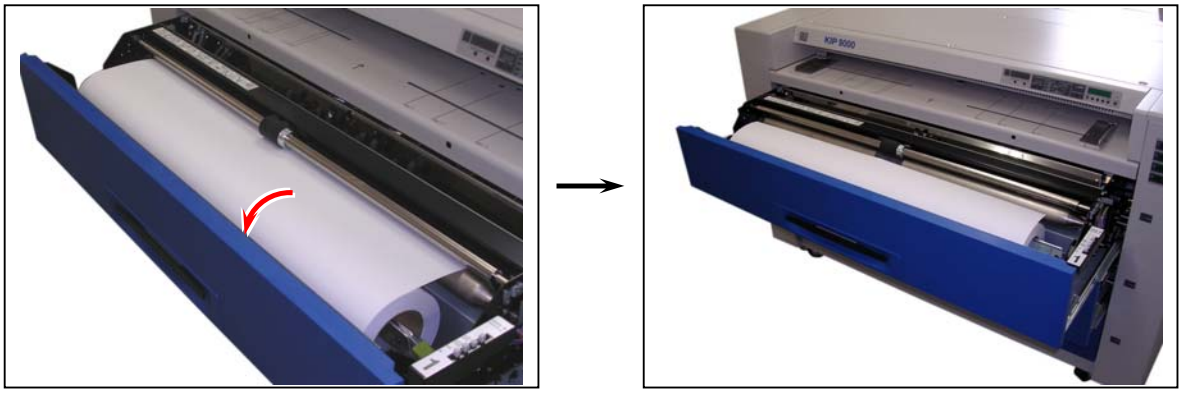




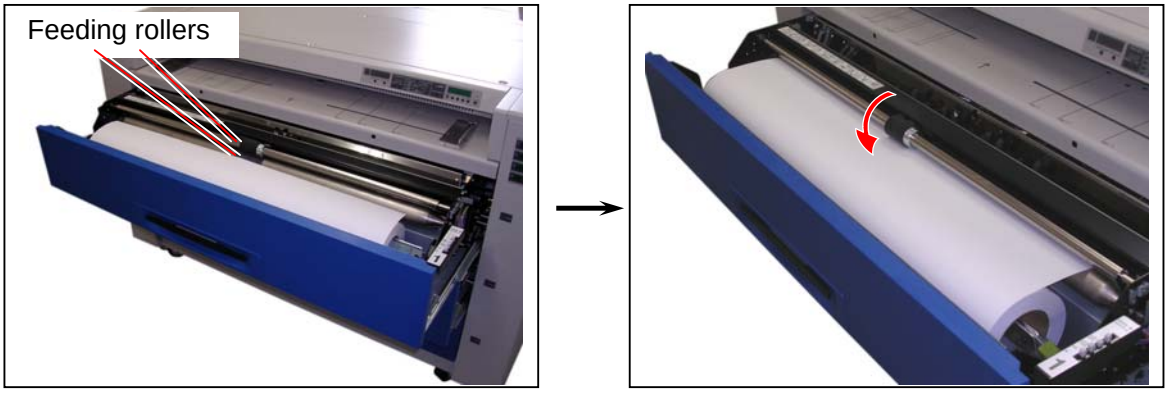
5. Close the Right Side Door. Then remove the mis-feed media from the front side of KIP9000.

6. The leading edge of roll media is still in the Cutter Unit as the following section drawing. As this state will result in another mis-feed, the media needs to be rewound. Draw out the concerning Roll Deck and rewind its roll media.





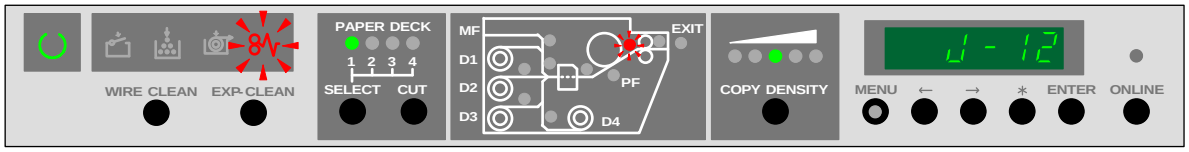
7. Insert the leading edge of media between feeding rollers, and rotate the upper feeding roller to pinch the leading edge (1-2cm) with the rollers.

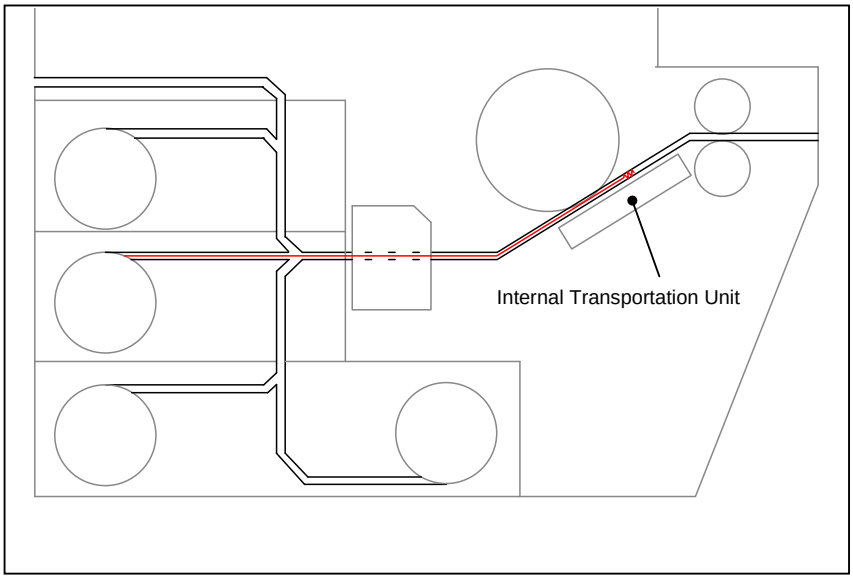


8. Close the Roll Deck finally.

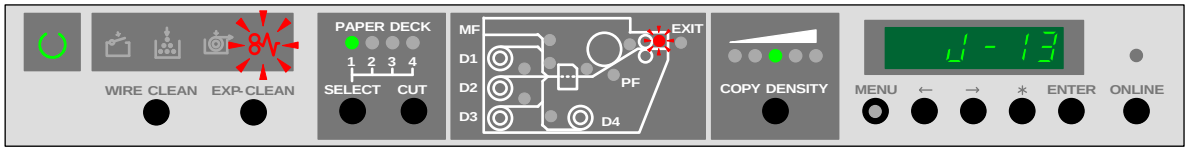
3. 1. 4 Mis-feed on Internal Transportation Unit (J-12) and Fuser Entrance (J-13)

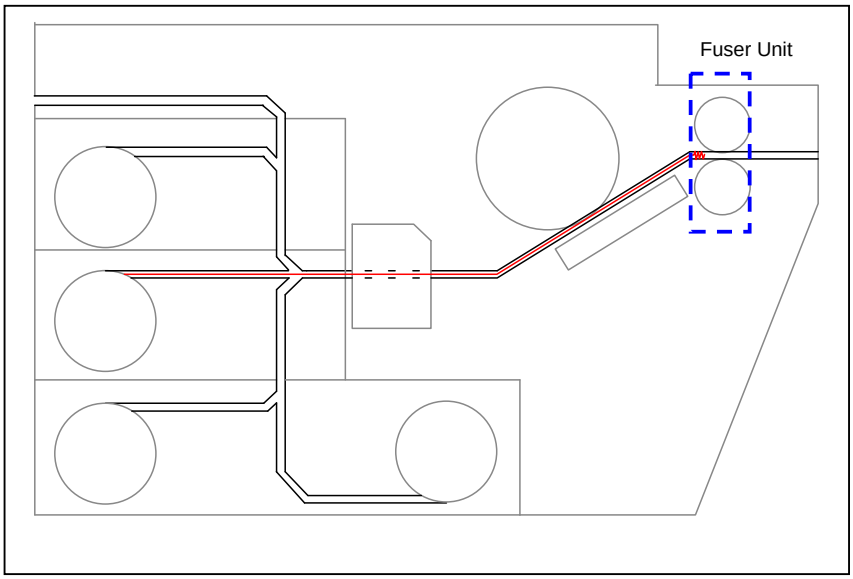
J-12 is indicated when the media is mis-fed on the Internal Transportation Unit,





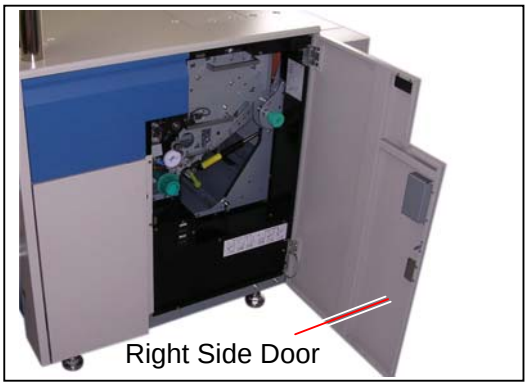
J-13 is indicated when the media is mis-fed at Fuser Entrance.



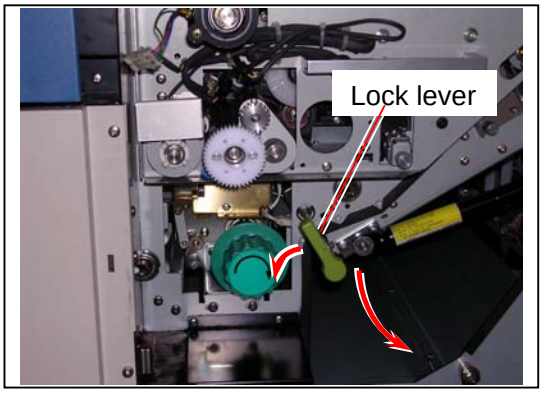


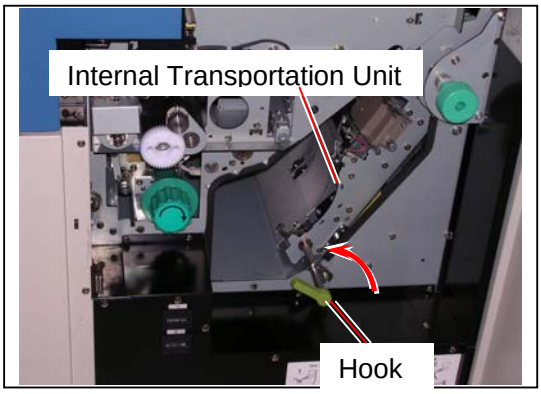
These 2 mis-feeds can be cleared in the same way.

1. Open the Right Side Door.



2. Twist the lock lever counter-clockwise to unlock the Internal Transportation Unit, bring down the Internal Transportation Unit, and hold its shaft with the Hook.

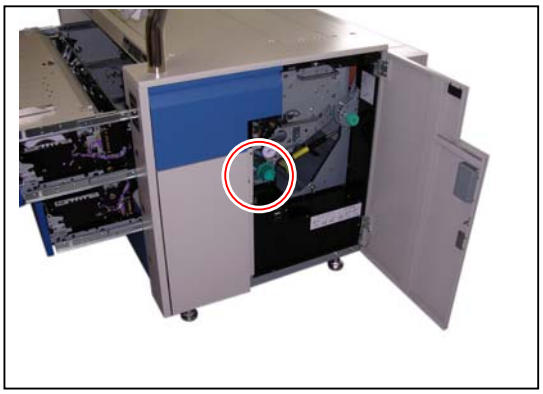


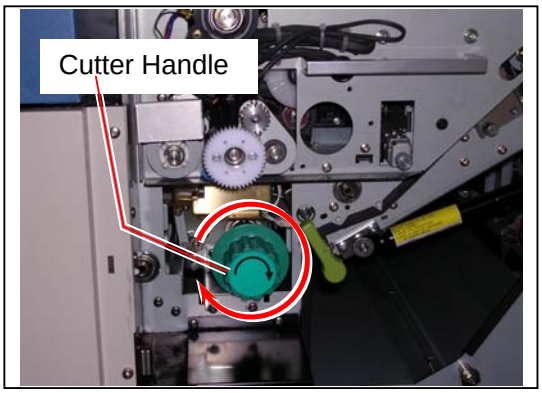


3. The mis-fed media can be seen inside. Check if it is already cut or not.

- If already cut, remove it and go to the procedure 7.
- If not cut yet, go to the next procedure 4 for cutting it.

4. Rotate the Cutter Handle for 1 revolution clockwise to cut the roll media.



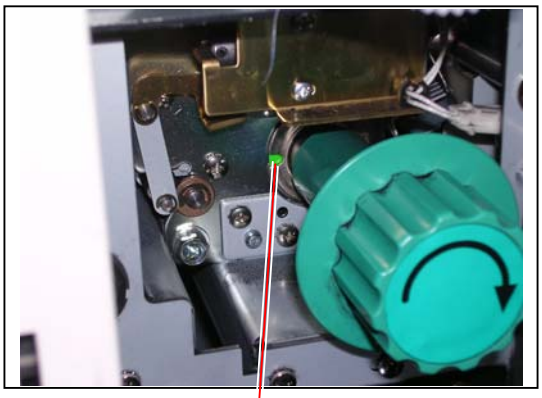


NOTE

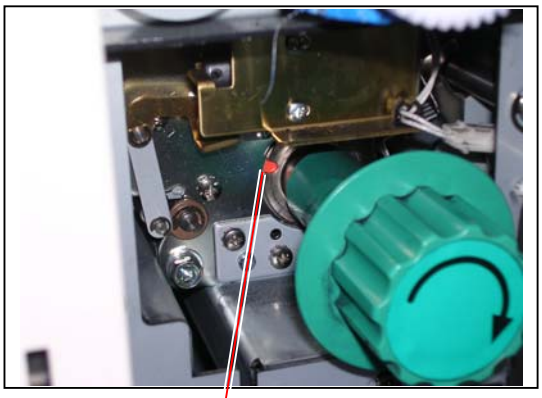
The Cutter Blade needs to be placed at its home position correctly after the above operation. After cutting the media rotating the Cutter Handle, place the green part inside of the notch. If red part is seen in the notch, the Cutter Blade is not correctly placed to its home position.

And at this time take care for the following points.

- Do not rotate the Cutter Handle counter-clockwise. It will damage the Cutter Blade.
- Do not rotate the Cutter Handle more than once. If it is rotated many times, very small paper portion will be left in the cutter unit. This will cause the error.

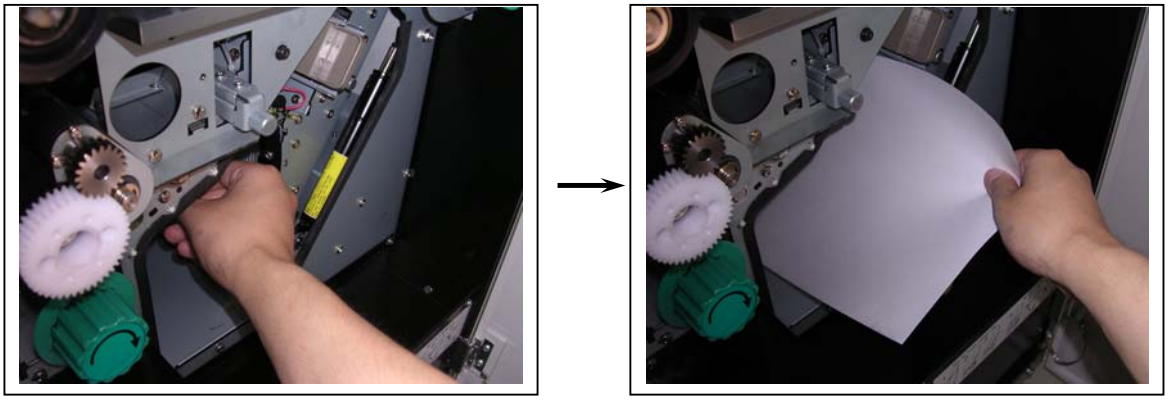


Correct (Green)



Incorrect (Red)

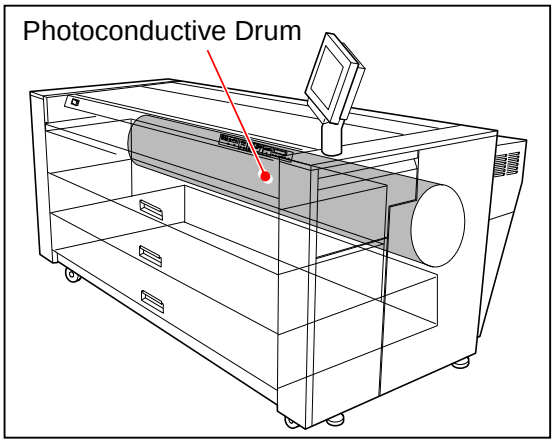
5. Remove the mis-fed media.



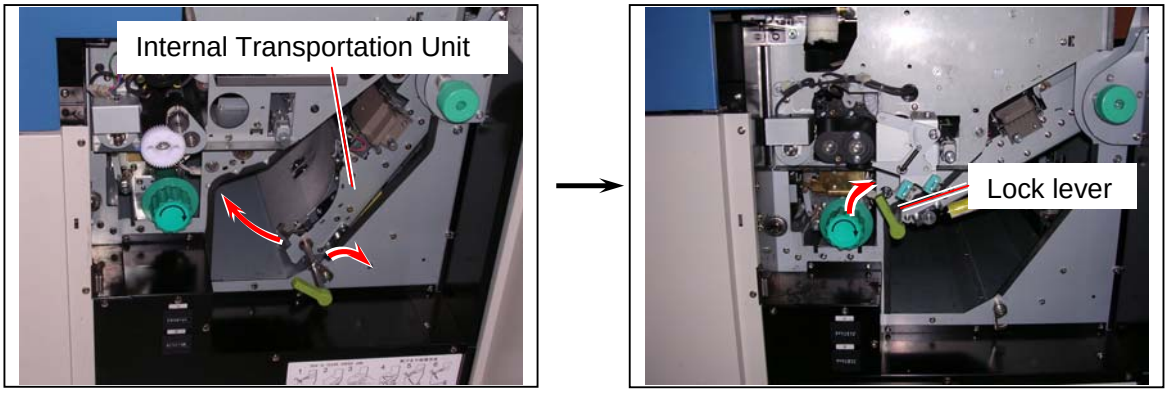
NOTE

There is a large cylinder called “Photoconductive Drum” inside of KIP9000. It is the most important part for creating the print image.

- **Do not touch the Photoconductive Drum!**
- **Do not scratch or damage the Photoconductive Drum!**
- **Do not throw light into the machine as the Photoconductive Drum is very sensitive to light!**



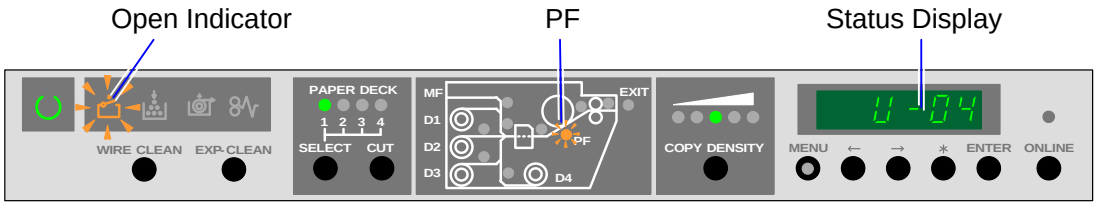
6. Set the Internal Transportation Unit gently back to its original (operation) position and lock it firmly with the lock lever.



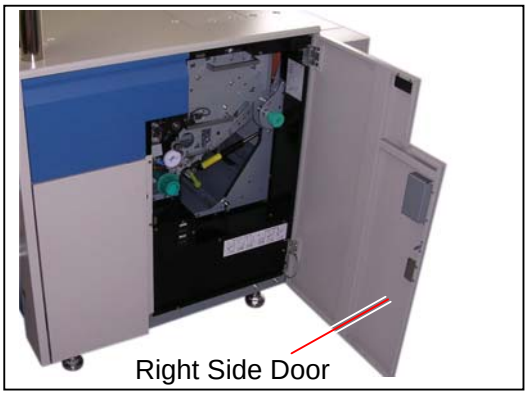
NOTE

(1) Bring up the Internal Transportation Unit gently. Otherwise the Photoconductive Drum may be damaged.

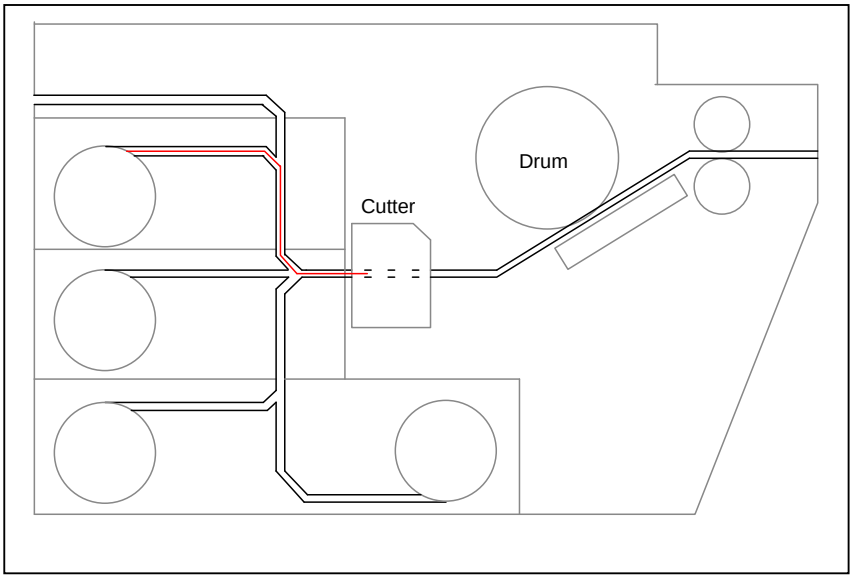
(2) If the Internal Transportation Unit is not locked firmly, the Open Indicator and “PF” of Mis-feed Location Indicator lights orange, and the Status Display indicates “U-04”. Lock the unit firmly again.

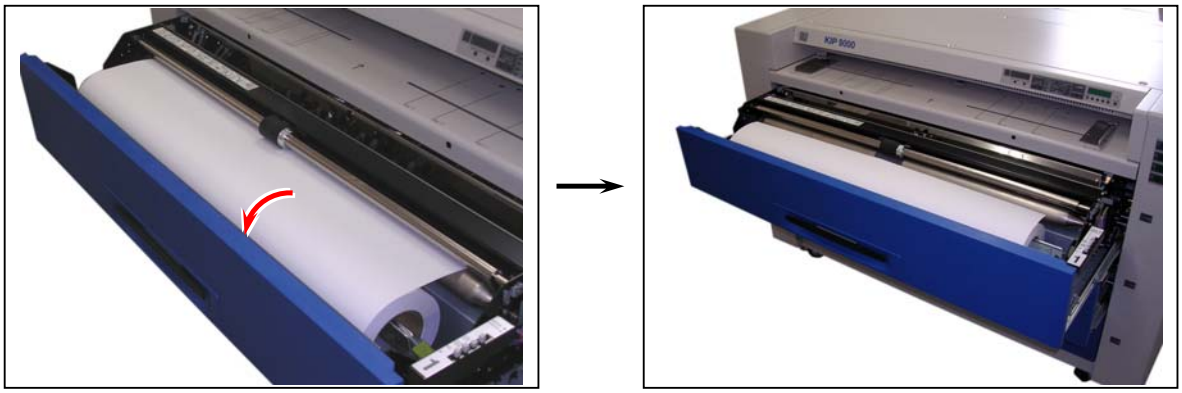


7. Close the Right Side Door.

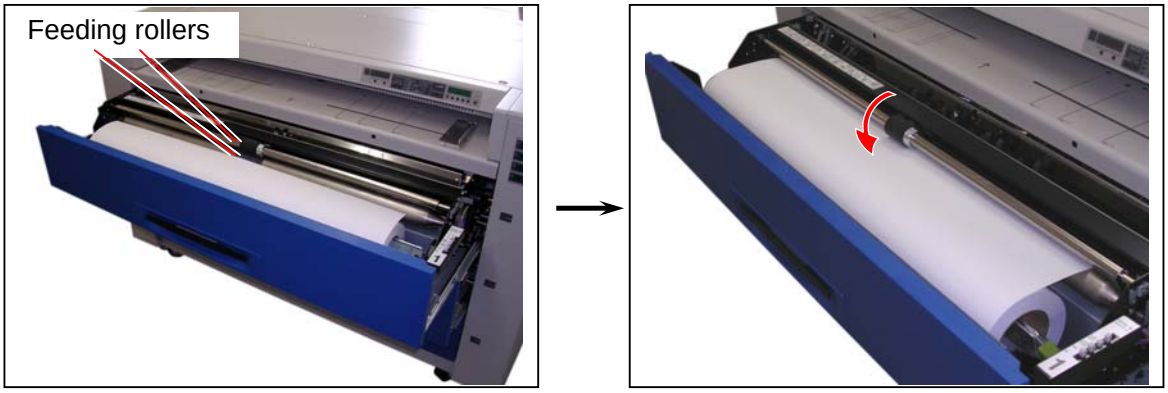


8. The leading edge of roll media is still in the Cutter Unit as the following section drawing. As this state will result in another mis-feed, the media needs to be rewound. Draw out the concerning Roll Deck and rewind its roll media.





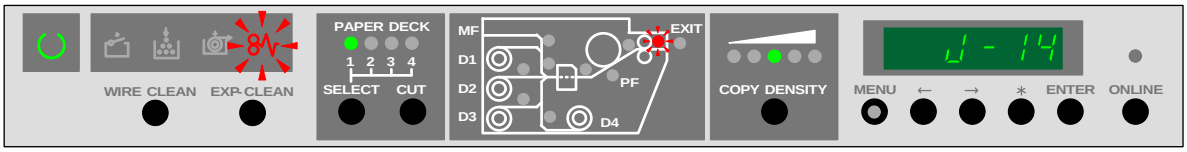
9. Insert the leading edge of media between feeding rollers, and rotate the upper feeding roller to pinch the leading edge (1-2cm) with the rollers.

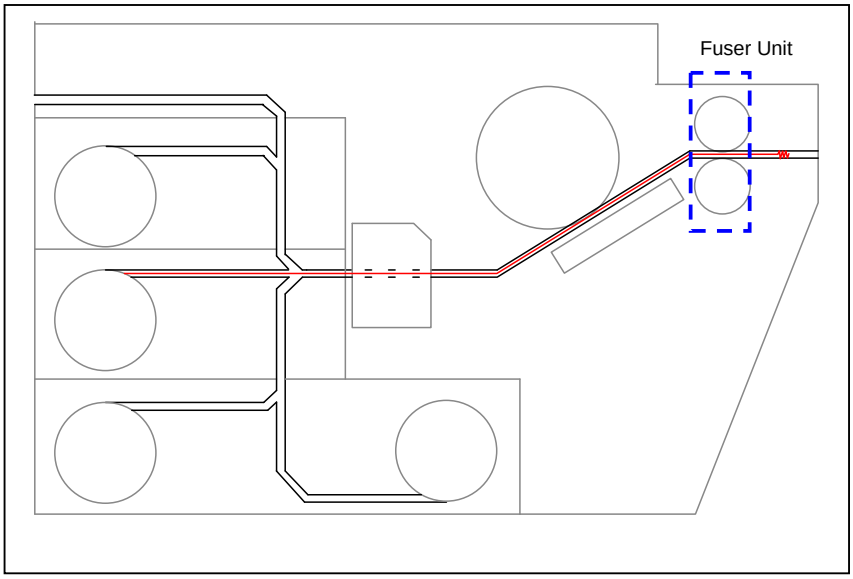


10. Close the Roll Deck.

3. 1. 5 Mis-feed in Fuser Unit (J-14)

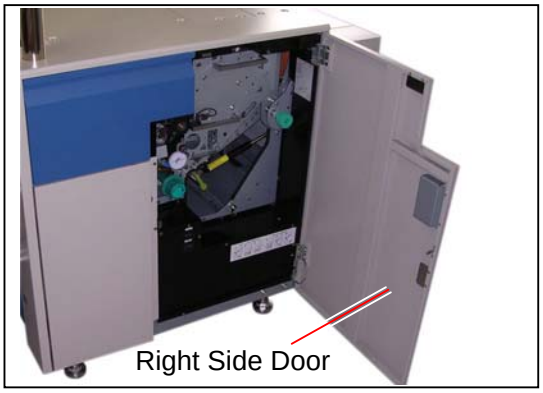
J-14 is indicated when the media is mis-fed in the Fuser Unit,



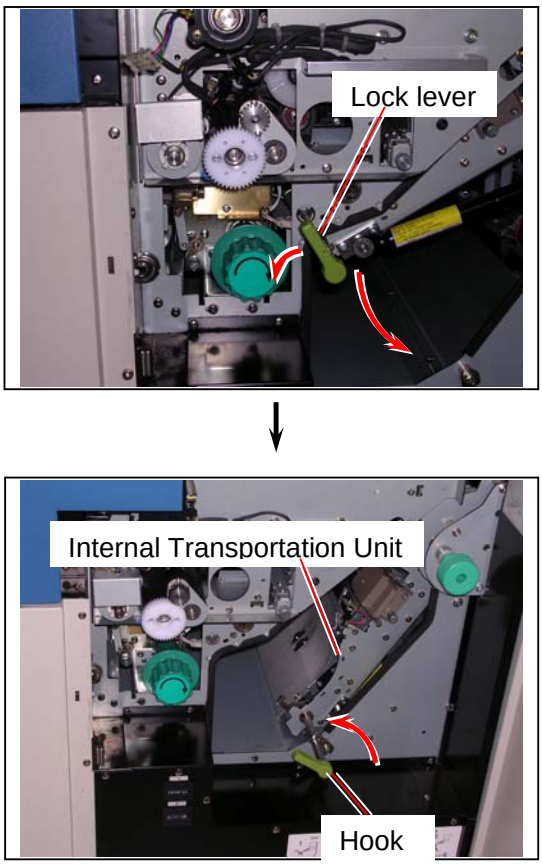


1. Open the Exit Cover.

2. Open the Right Side Door.



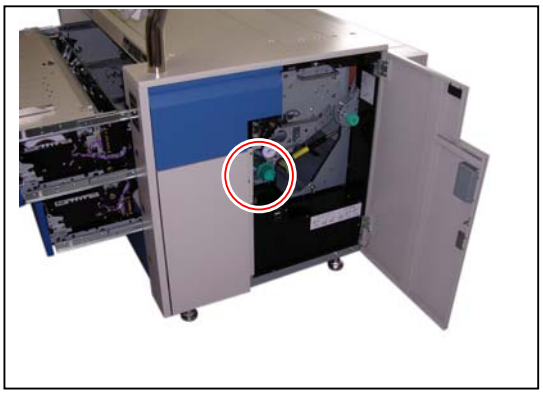
3. Twist the lock lever counter-clockwise to unlock the Internal Transportation Unit, bring down the Internal Transportation Unit, and hold its shaft with the Hook.

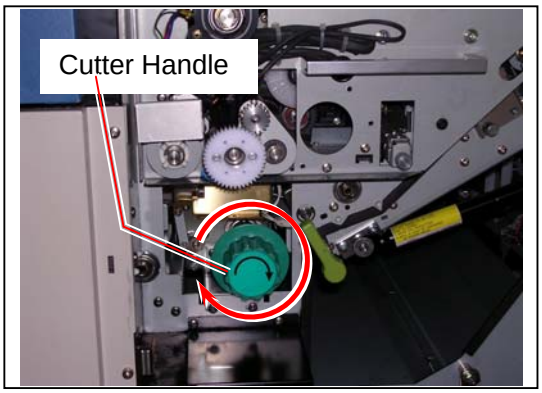


4. The mis-fed media can be seen inside. Check if it is already cut or not.

   - If already cut (or media can not be seen), go to the procedure 7.
   - If not cut yet, go to the next procedure 4 for cutting it.

5. Rotate the Cutter Handle for 1 revolution clockwise to cut the roll media.



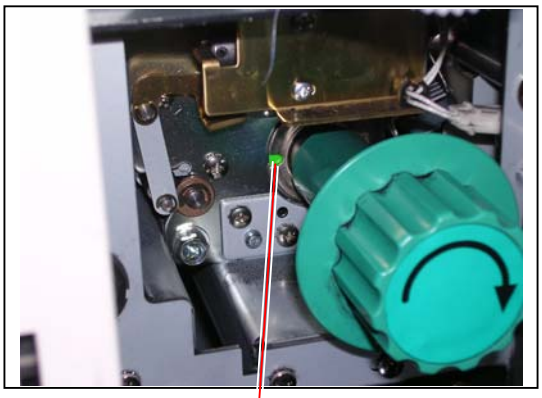


NOTE

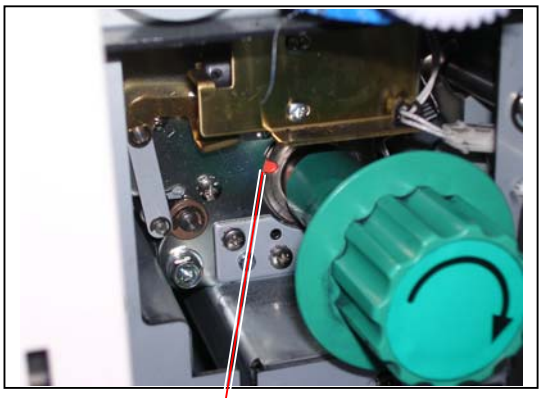
The Cutter Blade needs to be placed at its home position correctly after the above operation. After cutting the media rotating the Cutter Handle, place the green part inside of the notch. If red part is seen in the notch, the Cutter Blade is not correctly placed to its home position.

And at this time take care for the following points.

- Do not rotate the Cutter Handle counter-clockwise. It will damage the Cutter Blade.
- Do not rotate the Cutter Handle more than once. If it is rotated many times, very small paper portion will be left in the cutter unit. This will cause the error.

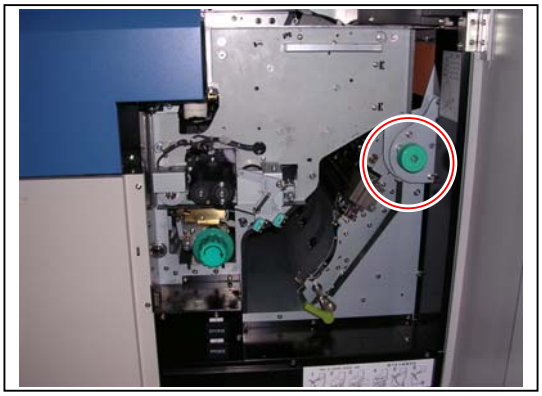


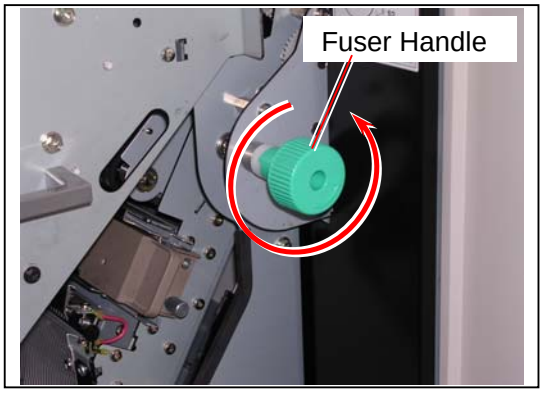
Correct (Green)



Incorrect (Red)

6. Rotate the green Fuser Handle counter-clockwise to eject the mis-feed media from the Fuser Unit.



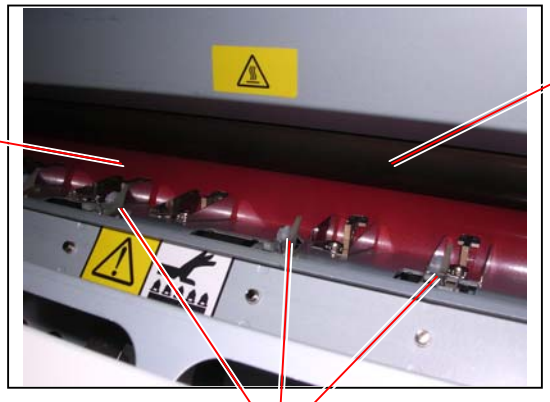


7. Remove the mis-feed media when ejected.

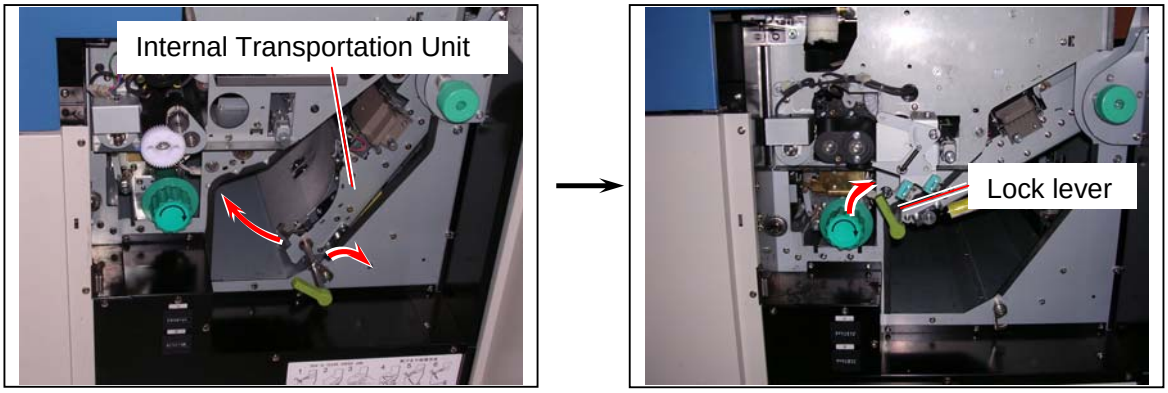
⚠ CAUTION

(1) There are many hot parts inside of the Exit Cover. (Fuser Roller and Pressure Roller are especially hot but other parts are as well.)
Do not touch such parts positively when removing the mis-fed media!
The mis-fed media is very hot also. **Take great care not to be burnt!**

(2) There are Paper Stripper Fingers inside of the Exit Cover, which have very sharp tip.
Do not touch them when removing the mis-fed media, or you may be harmed!



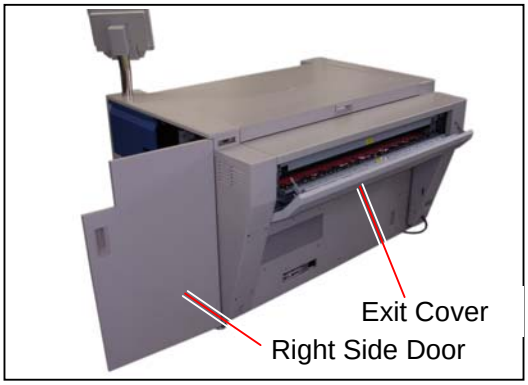
8. Set the Internal Transportation Unit gently back to its original (operation) position and lock it firmly with the lock lever.



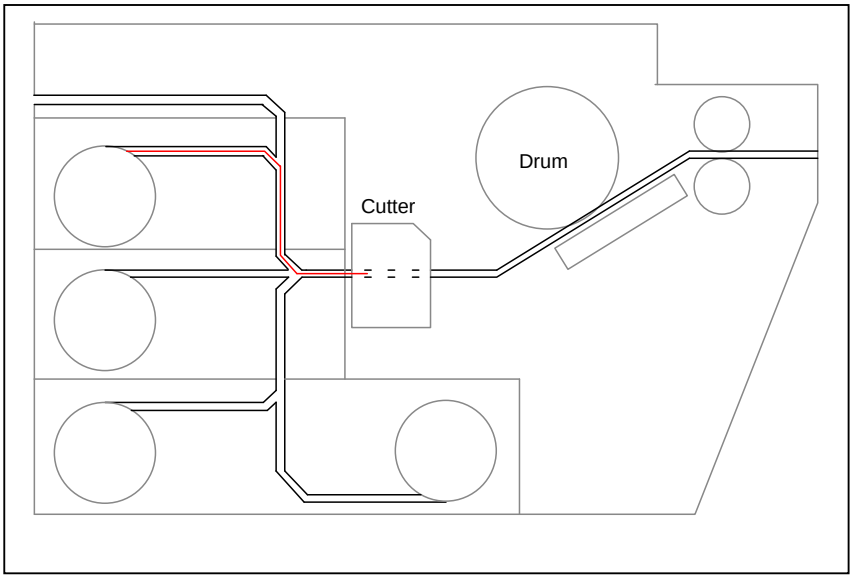
NOTE

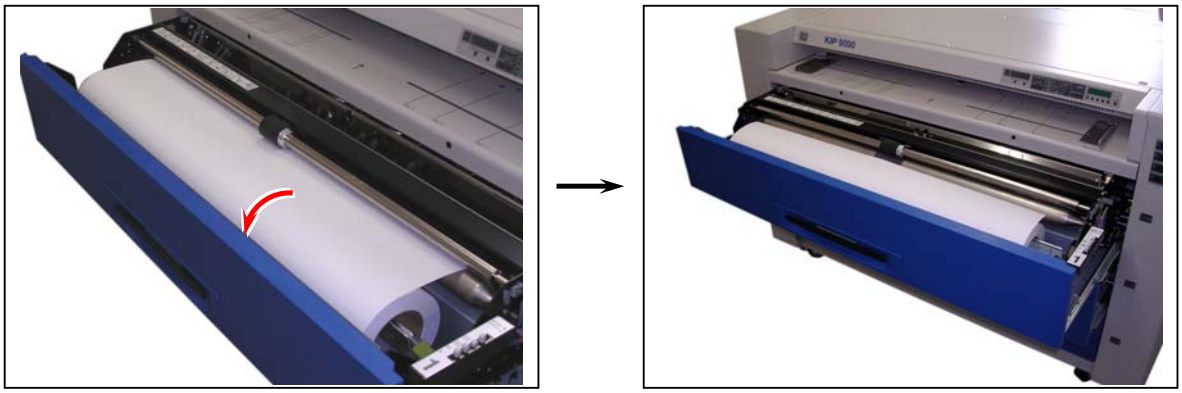
Bring up the Internal Transportation Unit gently. Otherwise the Photoconductive Drum may be damaged.

9. Close both the Right Side Door and the Exit Cover.

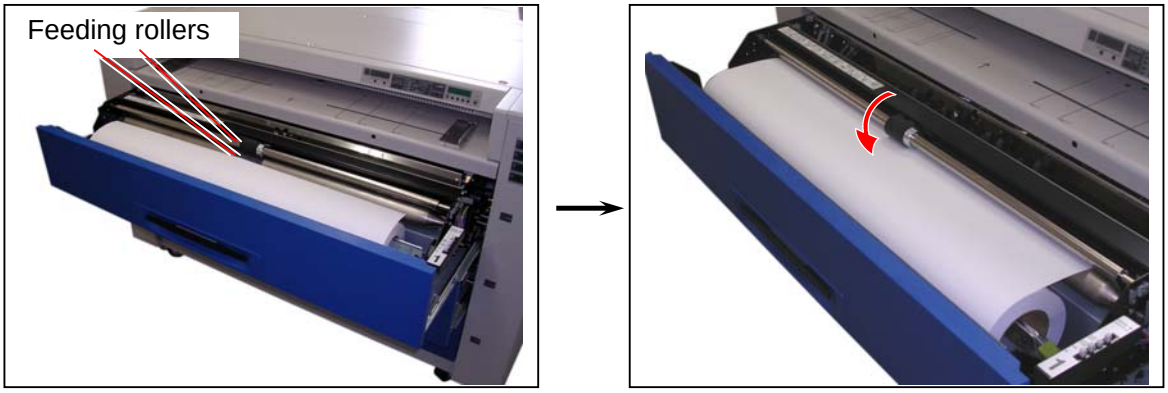


10. The leading edge of roll media is still in the Cutter Unit as the following section drawing. As this state will result in another mis-feed, the media needs to be rewound. Draw out the concerning Roll Deck and rewind its roll media.





11. Insert the leading edge of media between feeding rollers, and rotate the upper feeding roller to pinch the leading edge (1-2cm) with the rollers.



12. Close the Roll Deck .

3. 1. 6 Mis-feed in Folder (J-21)

When the media is mis-fed in the optional Folder, J-21 is indicated. See the user guide of Folder and remove the mis-fed media.

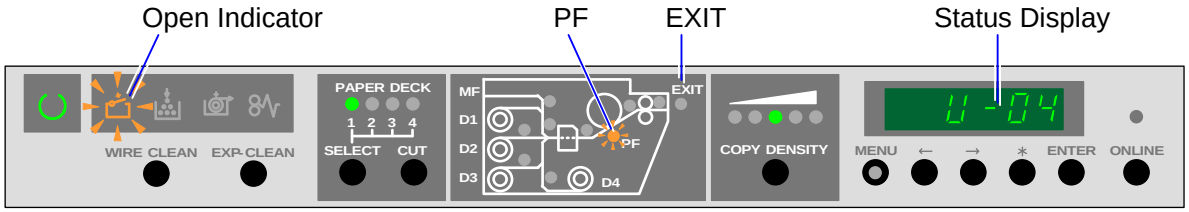
3. 1. 7 Mis-feed in Auto Stacker (J-22)

When the media is mis-fed in the optional Auto Stacker, J-22 is indicated. See the user guide of Auto Stacker and remove the mis-fed media.

3. 2 Open Errors

The Open Indicator on the Operation Panel lights orange if some door or unit is open, and at the same time the Status Display indicates any open error code as “U-XX”.

“PF” in the Mis-feed Location Indicator lights orange when “U-04” is indicated.
“EXIT” in the Mis-feed Location Indicator lights orange when “U-14” is indicated.



3. 2. 1 Top Drawer Open (U-01)

Top Drawer is open. Close it firmly.

3. 2. 2 Middle Drawer Open (U-02)

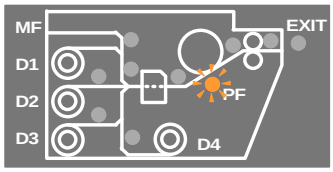
Middle Drawer is open. Close it firmly.

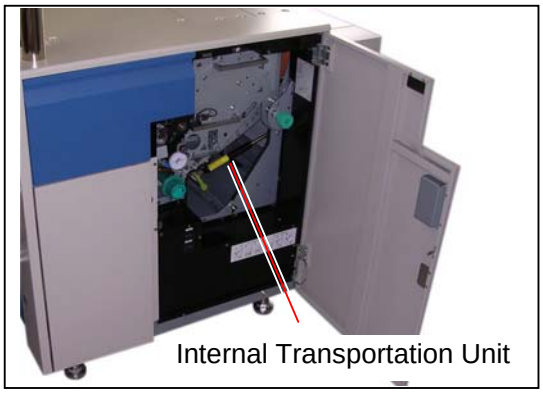
3. 2. 3 Bottom Drawer Open (U-03)

Bottom Drawer is open. Close it firmly.

3. 2. 4 Internal Transportation Unit Open (U-04)

Internal Transportation Unit is open or not locked firmly. Close it firmly.





3. 2. 5 Toner Cover Open (U-06)

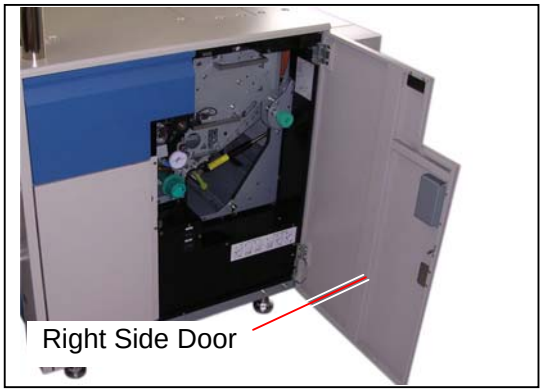
Toner Cover is open. Close it firmly.

3. 2. 6 Bypass Feeder Open (U-11)

Bypass Feeder is open. Close it firmly.

3. 2. 7 Right Side Door Open (U-12)

Right Side Door is open. Close it firmly.

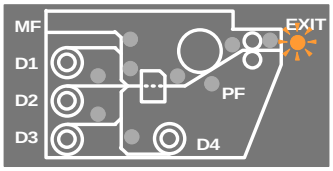


3. 2. 8 Top Rear Cover Open (U-13)

Top Rear Cover is open. Close it firmly.

3. 2. 9 Exit Cover Open (U-14)

Exit Cover is open on not locked surely. Close it firmly.



3. 2.10 Folder Door Open (U-21)

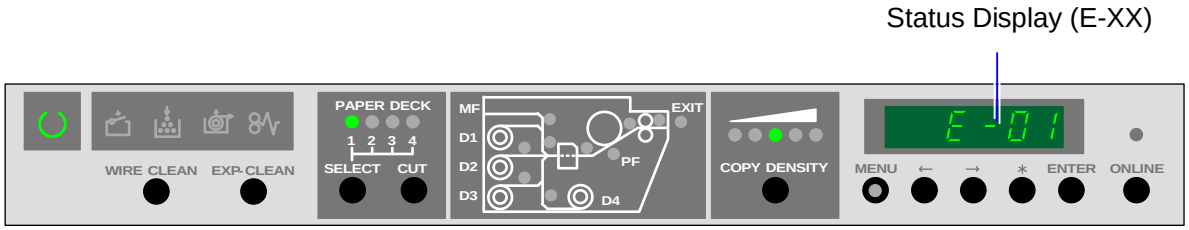
The door of optionally connected Folder is open. Close it firmly.
(See the manual of Folder for the detail.)

3. 3 Toner Cartridge Error (C-01)

The Status Display indicates “C-01” if the KIP Toner Cartridge is not installed correctly. Please try to reinstall the KIP cartridge as noted in this user manual or try another cartridge. If the error persists, please contact the service person.

3. 4 Service Call Errors

If the KIP9000 has any abnormal error which the user can not fix, the Status Display indicates Service Call Errors as “E-XX”. As KIP9000 can make no more printing unless the error is cleared, call the service personnel immediately.



Try to turn on/off the KIP9000 before calling for the service as sometimes the error can be cleared. If “E-XX” is indicated again, turn off and unplug the KIP9000, and call the service personnel immediately with informing him which of the following error codes is indicated.

Error codes	Error
E-01	Fuser temperature rising error
E-02	Abnormal fuser temperature
E-05	Drum motor error
E-06	Counter A / B error
E-07	Cutter motor error
E-09	Web End Error
E-13	Paper feed motor error
E-14	Fuser motor error
E-16	Wire cleaning motor error
E-21	Fuser thermostat error
E-23	LED head cleaning motor error
E-26	Surface Potential Control Error
E-27	Density Sensor Error
E-28	Density Control Error
E-30	Developer Disconnection Error
E-43	RFID (IC Tag) Error
E-49	Developer pusher motor error
E-F0	Folder Error
E-Fb	Flash ROM Error

NOTE

If E-26 or E-28 is indicated, it may be possible to clear it temporarily by easing the error check level in the User Modes. See the following each pages.

[2.8.13 User Mode D (Error check level for E-26 error)] on page 2-66
[2.8.14 User Mode E (Error check level for E-28 error)] on page 2-69

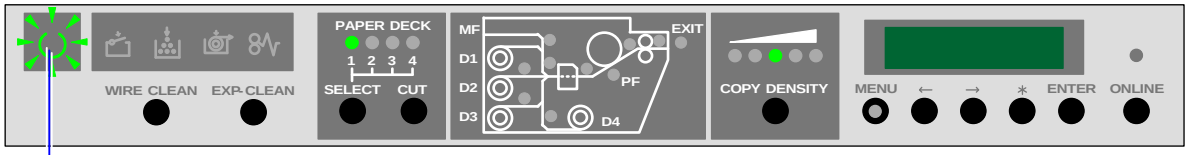
3. 5 Interruption of Print by Temperature Control

Sometimes the KIP9000 may not start printing soon even if print/copy job has been submitted. Or KIP9000 may suddenly stop printing in the middle of large volume of continuous printing. After having an interval, KIP9000 will restart printing.

These operations are not error but an operation to adjust the temperature of Fuser. The Ready Indicator flashes in the interval, and KIP9000 is changing the temperature to an appropriate level during this period. This operation will possibly occur in these 3 cases.

- When media type is changed
- When making a large volume of continuous printing
- When in a very cold environment

Just wait until the KIP9000 finishes adjusting the temperature to proper level. It automatically starts printing when adjustment is finished.



Ready Indicator flashes.

NOTE

If the above mentioned cases occur very frequently, check the followings.

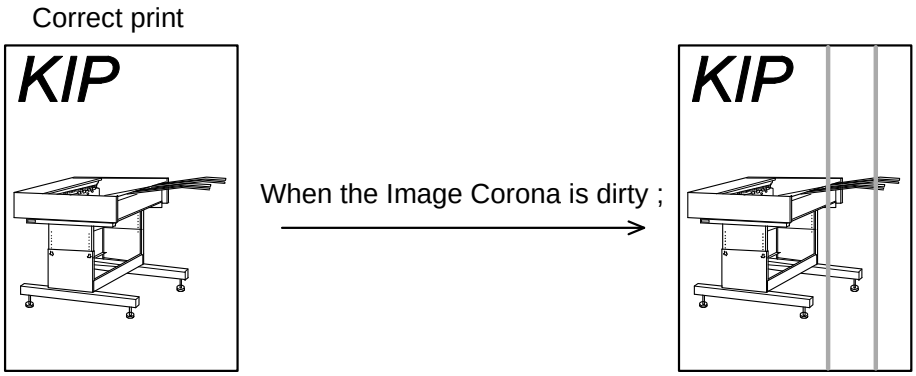
- Printing media (More temperature is lost if thicker media is used, so the interval may be required for recovering enough temperature.)
- Input voltage (If the input voltage is lower than requirement, the fuser unit may not be able to keep required temperature. Interval for recovering the temperature will be required.)
- Temperature of room air (If the room air is very cold, the fuser unit may not be able to keep required temperature. Interval for recovering the temperature will be required.)

3. 6 Maintenance

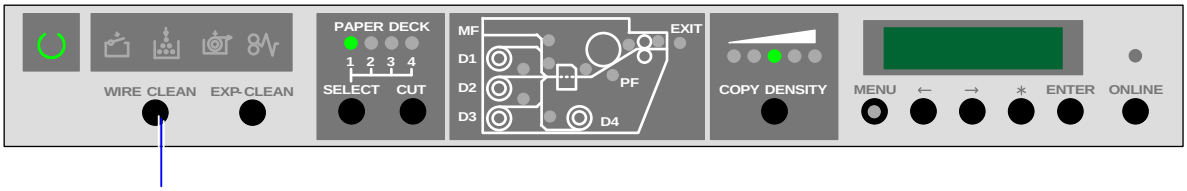
KIP 9000 has self-cleaning functions for avoiding defective image. Please take cleaning when defective image is printed out.

3. 6. 1 Cleaning the Image Corona

Sometimes unclear gray lines in 1-3mm thick may run vertically on the printout as the following example. This defective image is possibly caused by the dirt of Image Corona, and may be fixed if cleaning is performed.

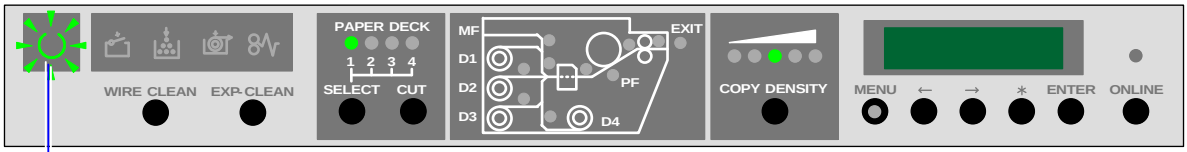


1. Press the WIRE CLEAN Key on the Operation Panel.



WIRE CLEAN Key

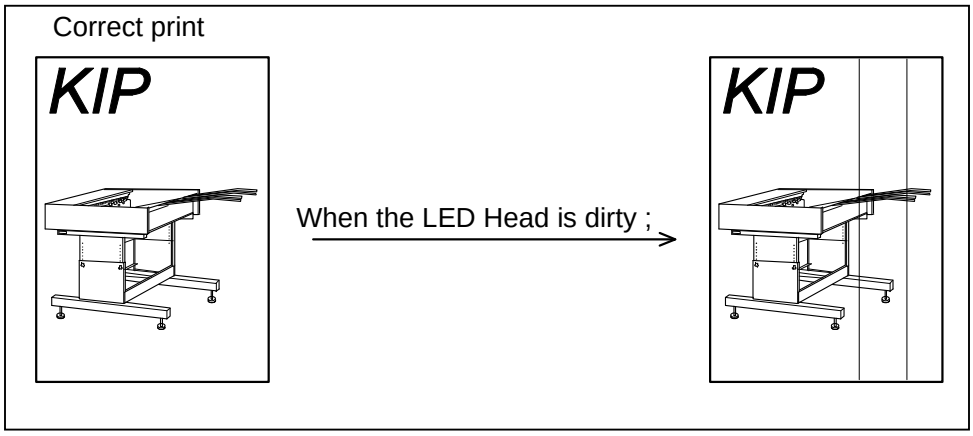
2. Cleaning is started, and the Ready Indicator flashes during the cleaning. It will take about 2 minutes for cleaning. The Ready Indicator stops flashing when cleaning is finished.



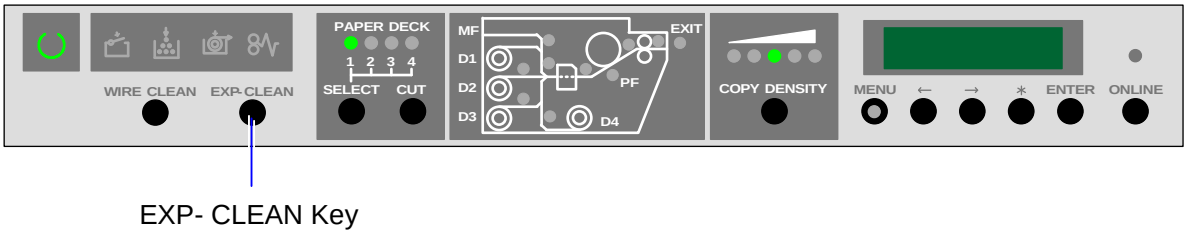
Ready Indicator

3. 6. 2 Cleaning the LED Head

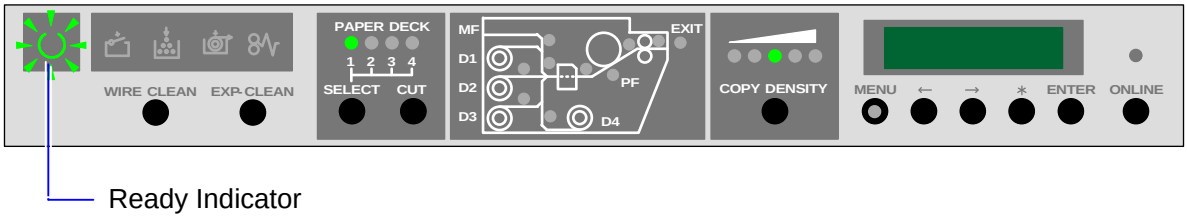
Sometimes a clear black thin line may run vertically on the printout as the following example. This defective image is possibly caused by the dirt of LED Head, and may be fixed if cleaning is performed.



1. Press the EXP-CLEAN Key on the Operation Panel.



2. Cleaning is started, and the Ready Indicator flashes during the cleaning. It will take about 2 minutes for the cleaning. The Ready Indicator stops flashing when cleaning is finished.



DIGITAL PRINTER
KIP 9000 User's Guide

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